

the Olympic torch on its route through Cleveland for the 2002 Olympic Games in Salt Lake City, Utah. He is a member of Tau Boule and holds life memberships in Kappa Alpha Psi Fraternity and the NAACP.

Mr. Speaker, I thank you. I thank my colleagues, and again, I thank this Nation for recognizing that black history is indeed American history.

LEAVE OF ABSENCE

By unanimous consent, leave of absence was granted to:

Ms. EDDIE BERNICE JOHNSON of Texas (at the request of Mr. HOYER) for today.

Ms. KILPATRICK of Michigan (at the request of Mr. HOYER) for today on account of personal reasons.

Mr. STARK (at the request of Mr. HOYER) for today and the balance of the week on account of medical reasons.

Mr. GINGREY of Georgia (at the request of Mr. BOEHNER) for today on account of personal reasons.

Mr. GARY G. MILLER of California (at the request of Mr. BOEHNER) for today and the balance of the week on account of medical reasons.

SPECIAL ORDERS GRANTED

By unanimous consent, permission to address the House, following the legislative program and any special orders heretofore entered, was granted to:

(The following Members (at the request of Ms. KAPTUR) to revise and extend their remarks and include extraneous material:)

Mr. DEFazio, for 5 minutes, today.

Ms. WOOLSEY, for 5 minutes, today.

Ms. KAPTUR, for 5 minutes, today.

Mr. DAVIS of Illinois, for 5 minutes, today.

(The following Members (at the request of Mr. FLAKE) to revise and extend their remarks and include extraneous material:)

Mr. POE of Texas, for 5 minutes, today, February 25, 26 and March 2.

Ms. ROS-LEHTINEN, for 5 minutes, today.

Mr. INGLIS, for 5 minutes, today.

Mr. BURTON of Indiana, for 5 minutes, today, February 25 and 26.

Mr. PAUL, for 5 minutes, today, February 25 and 26.

Mr. JONES, for 5 minutes, today, February 25, 26, and March 2.

Mr. FLAKE, for 5 minutes, today.

ENROLLED BILL SIGNED

Lorraine C. Miller, Clerk of the House, reported and found truly enrolled a bill of the House of the following title, which was thereupon signed by the Speaker on Friday, February 13, 2009:

H.R. 1. An act making supplemental appropriations for job preservation and creation, infrastructure investment, energy efficiency and science, assistance to the unemployed, and State and local fiscal stabilization, for the fiscal year ending September 30, 2009, and for other purposes.

BILLS PRESENTED TO THE PRESIDENT

Lorraine C. Miller, Clerk of the House reports that on February 4, 2009 she presented to the President of the United States, for his approval, the following bill.

H.R. 2. To amend title XXI of the Social Security Act to extend and improve the Children's Health Insurance Program, and for other purposes.

Lorraine C. Miller, Clerk of the House reports that on February 16, 2009 she presented to the President of the United States, for his approval, the following bill.

H.R. 1. Making supplemental appropriations for job preservation and creation, infrastructure investment, energy efficiency and science, assistance to the unemployed, and State and local fiscal stabilization, for the fiscal year ending September 30, 2009, and for other purposes.

ADJOURNMENT

Ms. FUDGE. Mr. Speaker, I move that the House do now adjourn.

The motion was agreed to; accordingly (at 9 o'clock and 42 minutes p.m.), under its previous order, the House adjourned until tomorrow, Tuesday, February 24, 2009, at 10:30 a.m., for morning-hour debate.

EXPLANATORY STATEMENT SUBMITTED BY MR. OBEY, CHAIRMAN OF THE HOUSE COMMITTEE ON APPROPRIATIONS, REGARDING H.R. 1105, OMNIBUS APPROPRIATIONS ACT, 2009

Following is an explanation of the Omnibus Appropriations Act, 2009, including disclosure of congressional earmarks and congressionally directed spending items as defined in clause 9 of rule XXI of the Rules of the House of Representatives and rule XLIV of the Standing Rules of the Senate.

Section 4 of the Act specifies that this explanatory statement shall have the same effect with respect to the allocation of funds and implementation of this legislation as if it were a joint explanatory statement of a committee of conference.

The Omnibus Appropriations Act includes fiscal year 2009 appropriations encompassing 9 regular annual appropriations bills, each in a separate division, plus a 10th division including further provisions relating to the Department of Homeland Security and other agencies. The divisions contained in the Act are as follows:

- Division A—Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2009;

- Division B—Commerce, Justice, Science, and Related Agencies Appropriations Act, 2009;

- Division C—Energy and Water Development and Related Agencies Appropriations Act, 2009;

- Division D—Financial Services and General Government Appropriations Act, 2009;

- Division E—Department of the Interior, Environment, and Related Agencies Appropriations Act, 2009;

- Division F—Departments of Labor, Health and Human Services, and Education, and Related Agencies Appropriations Act, 2009;

- Division G—Legislative Branch Appropriations Act, 2009;

- Division H—Department of State, Foreign Operations, and Related Programs Appropriations Act, 2009;

- Division I—Transportation, Housing and Urban Development, and Related Agencies Appropriations Act, 2009; and

- Division J—Further Provisions Relating to the Department of Homeland Security and Other Matters.

Section 3 states that, unless expressly provided otherwise, any reference to "this Act" contained in any division shall be treated as referring only to the provisions of that division.

DIVISION A

TITLE I—AGRICULTURAL PROGRAMS

PRODUCTION, PROCESSING, AND MARKETING

OFFICE OF THE SECRETARY

The bill provides \$5,174,000 for the Office of the Secretary.

The Department is directed to provide within 60 days after the date of enactment of this Act all reports and studies requested in this statement to the Committees on Appropriations of the House of Representatives and the Senate (hereafter referred to as "the Committees") in both an electronic and hard copy format, unless another date is specified for a particular report.

The Food, Conservation, and Energy Act of 2008 (hereafter referred to as "the 2008 farm bill") authorized many new programs, provided mandatory funding for a select number of them, and reauthorized existing programs throughout the Department of Agriculture. The Department is directed to submit a report detailing the Department's implementation plan for the 2008 farm bill. The report should include timeframes for developing new regulations and estimated dates the Department expects to finalize the regulations and implement the new or revised programs. The Department is also directed to provide to the Committees all reports requested in the 2008 farm bill.

There is concern that agencies are being required, after appropriations have been enacted for other purposes, to support E-Gov and PART studies. This diminishes, delays, or eliminates the implementation of the activities for which funds were provided. Thirty days prior to any centrally determined charges being applied to any USDA agency that are different from those amounts displayed in the budget justification materials, the Department must submit to the Committees a detailed explanation of the amounts assessed and the method for determining those amounts.

There continues to be strong support in Congress for programs that provide emergency food assistance throughout the world and that work to achieve sustainable food security. Among those programs is the Borlaug Dialogue (and its associated functions), which provides a forum for world leadership related to international food assistance. The Secretary is encouraged to support this activity and to ensure that the Department maintains a strong role in the fight against world hunger.

EXECUTIVE OPERATIONS

CHIEF ECONOMIST

The bill provides \$10,651,000 for the Office of the Chief Economist.

NATIONAL APPEALS DIVISION

The bill provides \$14,711,000 for the National Appeals Division.

OFFICE OF BUDGET AND PROGRAM ANALYSIS

The bill provides \$9,054,000 for the Office of Budget and Program Analysis.

DIVISION C—ENERGY AND WATER DEVELOPMENT AND RELATED AGENCIES APPROPRIATIONS ACT, 2009

Following is an explanation of the effects of this division (hereafter referred to as the “bill”). Funds for the individual programs and activities within the accounts in this Act are displayed in the detailed table at the end of the explanatory statement for this Act. Funding levels that are not displayed in the detailed table are identified in this explanatory statement.

**TITLE I—DEPARTMENT OF DEFENSE—
CIVIL DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS—CIVIL**

The summary tables included in this title set forth the dispositions with respect to the individual appropriations, projects and activities of the Corps of Engineers. Additional items of the bill are discussed below.

New starts.—The passage of the Water Resources Development Act in 2007 presented the Committees on Appropriations with the reality of seven years of unmet demand for new studies and projects. This has posed a challenge in balancing the funding needs of ongoing work with the ability to fund potential new start studies and projects which are the future of the program. Ultimately, a limited number of new studies and projects are funded in this bill, and these are for traditional Corps missions. Therefore, projects and studies that met the following criteria were excluded from consideration:

1. new environmental infrastructure authorizations;
2. non-traditional project authorizations;
3. authorizations that have not been through the traditional two phase planning process;
4. new projects under sections 206 and 1135 of the Continuing Authorities Program, as these program sections are oversubscribed;
5. projects that include demonstration features;
6. new projects that would require funds from the Inland Waterway Trust Fund (IWTF) because of lack of funding in the IWTF.

Inland Waterways Trust Fund.—When the fiscal year 2009 budget was presented to Congress, the administration was aware that its proposed budget did not take into account the looming deficit in the IWTF due to the amount of ongoing work on the inland waterway system. More funding was proposed to be utilized from the IWTF than was estimated to be available. The administration’s

budget for fiscal year 2009 was predicated on enactment of its legislative proposal to change the revenue structure by October 1, 2008. Since neither this proposal nor any other potential fix to the IWTF shortfall has been enacted, the administration’s request as proposed is not, and cannot be, fully funded.

To address the funding shortfall in the IWTF the bill takes the unusual step of directing in legislative text that only nine inland waterway projects will have access to IWTF revenues in fiscal year 2009 in order to assure that planned work does not exceed revenues. The Corps is directed in fiscal year 2009 to utilize the general fund of the U.S. Treasury to fund inland waterway projects without specific statutory requirements for IWTF revenues. This change is intended as a single year stopgap measure to allow the new administration an opportunity to address the solvency of the trust fund. The Corps is directed to bring fiscal year 2009 inland waterway projects funded entirely with general fund revenues to a logical stopping point and defer future work until such time as the IWTF revenue stream is enhanced and these projects can again be cost shared with the IWTF. Once the revenue stream is sufficient to allow additional work, the Corps is directed to adjust the cost share so that the total project costs will be cost shared at fifty percent. Legislative text is also included to prohibit the Corps from entering into any new continuing contracts for any inland waterway project until a permanent solution to enhance IWTF revenues is enacted.

The administration should submit the fiscal year 2010 budget based on expected revenues in the IWTF, not projections predicated on legislation that may or may not happen. If the budget is submitted utilizing the same assumptions for the IWTF that the administration made this year, spending will be curtailed on all inland waterway projects in fiscal year 2010 to a level that fits within the IWTF estimated revenues. No change in law has been made, nor does this bill propose any such change, to alleviate the funding problem that will occur in fiscal year 2009.

The policy of sharing the cost of construction and major rehabilitations between the IWTF and the general fund makes the users active partners in the overall inland waterway system and provides for a better, more efficient system. As the Congress pays the full cost of the operation and maintenance of the inland waterway system, the capital

costs are properly shared at 50 percent by the beneficiaries.

Budget Justifications.—The Corps is commended for the layout of the budget justifications for fiscal year 2009. Grouping projects by Division rather than according to business lines makes the justifications more useful and provides more easily accessible information to the public. It is expected that this method of displaying the budget justifications will be continued for the fiscal year 2010 budget.

However, the justifications for Operation and Maintenance (O&M) projects are staggeringly inadequate. The only information provided was the business line totals for each region. For a \$2,500,000,000 account, this is an unacceptable manner to justify a budget. More information was provided for the \$40,000,000 in studies in the Investigations account than was provided for all of O&M. The justifications for the Continuing Authorities Program, Flood Plain Management Services, Planning Assistance to States and the Dam Safety/Seepage Stability Correction Program were also inadequate. The justifications for these items showed a total dollar value and listed projects, but gave no information how the program totals were derived. There is no way to know from these justifications whether the administration’s proposal underfunds or overfunds these programs. For fiscal year 2010, the Corps is directed to provide, at minimum, detailed project information for each O&M project adequately justifying the needs for each project. If the administration chooses to continue to provide the business line information, it may be provided as a separate appendix to the justifications.

Reprogramming.—To ensure that the expenditure of funds in fiscal year 2009 is consistent with congressional direction, to minimize the movement of funds and to improve overall budget execution, the bill incorporates by reference the projects and direction identified in the report accompanying this Act into statute. Further, the bill carries a legislative provision outlining the circumstances under which the Corps of Engineers may reprogram funds.

INVESTIGATIONS

The bill provides \$168,100,000 for Investigations.

The allocation for projects and activities within the Investigations account is shown in the following table:

Conveyance	\$7,050,000
Enlarged DMC Intertie w/Cal Aqueduct Feasibility study	(2,000,000)
San Luis lowpoint feasibility study	(1,400,000)
Frank's Tract feasibility study	(2,700,000)
DMC Recirculation feasibility study	(750,000)
South Delta Improvements program	(200,000)
Ecosystem restoration	5,500,000
Bay Delta conservation plan	(1,500,000)
San Joaquin River settlement implementation	(1,000,000)
Trinity River restoration	(1,000,000)
Sacramento River small diversion fish screens	(2,000,000)
Environmental water account	6,550,000
Science	3,000,000
Storage	8,150,000
Los Vaqueros	(1,000,000)
San Joaquin river basin study	(3,300,000)
Sites Reservoir	(1,100,000)
Shasta enlargement	(2,750,000)
Water Quality	7,000,000
San Joaquin River salinity management	(7,000,000)
Planning and management activities	2,750,000
CALFED program management	(2,000,000)
Performance measures and program tracking	(750,000)
Total, California Bay-Delta Restoration	40,000,000

POLICY AND ADMINISTRATION
(INCLUDING TRANSFER OF FUNDS)

The amended bill includes \$59,400,000 for Policy and Administration. The bill includes legislative text regarding the transfer of funds under certain circumstances.

ADMINISTRATIVE PROVISION

The bill includes a provision limiting the purchase of not to exceed seven passenger vehicles.

TITLE II—GENERAL PROVISIONS

The bill includes a provision relating to re-programming.

The bill includes a provision regarding the San Luis Unit and Kesterson Reservoir in California.

The bill includes a provision prohibiting the use of funds for any water acquisition or lease in the Middle Rio Grande or Carlsbad Projects in New Mexico unless the acquisition is in compliance with existing state law and administered under state priority allocation.

The bill includes a provision regarding Drought Emergency Assistance.

The bill includes a provision regarding Water 2025.

The bill includes language regarding the Rio Grande Collaborative water operations team.

The bill includes language regarding the expenditure of funds from the Desert Terminus Lakes program for the Truckee River Settlement Act.

The bill includes language regarding the expenditure of funds from the Desert Terminus Lakes program.

TITLE III—DEPARTMENT OF ENERGY

The summary tables at the end of this title set forth the bill with respect to the individual appropriations, programs, and activities of the Department of Energy. Additional items in the bill are discussed below.

The bill provides \$26,967,001,000 for the Department of Energy in fiscal year 2009 to fund programs in its five primary mission areas: science, energy, environment, nuclear non-proliferation and national security.

PROJECT MANAGEMENT

The Department of Energy is directed to manage all projects in excess of \$100,000,000 total cost in full compliance with DOE Management Order 413.3A.

REPROGRAMMING REQUIREMENTS

The Department of Energy is directed to operate in a manner fully consistent with the following reprogramming guidelines. A reprogramming request must be submitted

to the Committees on Appropriations for consideration before any implementation of a reorganization proposal which includes moving previous appropriations between appropriation accounts. The Department is directed to inform the Committees promptly and fully when a change in program execution and funding is required during the fiscal year. To assist the Department in this effort, the following guidance is provided for programs and activities funded in the Energy and Water Development and Related Agencies Appropriations Act. The Department is directed to follow this guidance for all programs and activities unless specific reprogramming guidance is provided for a program or activity.

Definition.—A reprogramming includes the reallocation of funds from one activity to another within an appropriation, or any significant departure from a program, project, activity, or organization described in the agency's budget justification as presented to and approved by Congress. For construction projects, a reprogramming constitutes the reallocation of funds from one construction project identified in the justifications to another project or a significant change in the scope of an approved project.

Any reallocation of new or prior year budget authority or prior year deobligations must be submitted to the Committees in writing and may not be implemented prior to approval by the Committees on Appropriations.

ENERGY EFFICIENCY AND RENEWABLE ENERGY

The bill provides \$1,928,540,000 for Energy Efficiency and Renewable Energy (EERE) programs.

Hydrogen Technology.—The bill provides \$168,960,000 for hydrogen technology, to include \$3,000,000 for fuel processor research and development, and \$5,000,000 for manufacturing research and development activities.

Biomass and Biorefinery Systems R&D.—The bill includes \$217,000,000 for integrated research and development on biomass and biorefinery systems. The Department should pursue development of biofuels from non-food sources, especially those with the large-scale potential to sequester industrial carbon dioxide, such as algae, that are also compatible with gasoline and diesel fuels.

Solar Energy.—The bill provides \$175,000,000 for solar energy systems, to include \$30,000,000 for Concentrating Solar Power.

Wind Energy.—The bill includes \$55,000,000 for wind energy systems.

Geothermal Technology.—The bill includes \$44,000,000 for research, development and de-

ployment of geothermal and enhanced geothermal systems.

Water Power Energy R&D.—The bill provides \$40,000,000 for basic and applied technology research and development for tidal, and ocean/marine renewable technologies including demonstration programs, and for conventional hydropower research, development and deployment. The Department should utilize its marine sciences laboratory to expand marine and hydrokinetic renewable energy programs.

Vehicle Technologies.—The bill provides \$273,238,000 for vehicle technologies, to include energy storage research and development activities as authorized under section 641(g) of the Energy Independence and Security Act of 2007, and no less than \$25,000,000 for the Clean Cities program. The Department is directed to fund computational predictive engineering of lightweight thermoplastic polymer composites, and expand and accelerate testing of intermediate fuel blends.

Building Technologies.—The bill provides \$140,000,000 for building technologies, to include \$33,000,000 for the Commercial Buildings Initiative, and no less than \$25,000,000 for solid state lighting research and development. Consistent with section 912(b) of the Energy Policy Act of 2005, the Department shall implement an Energy Star Program for solid state lighting and develop Energy Star specifications for solid state lighting in connection with the nation's efforts to promote the commercialization of these products.

Industrial Technologies.—The bill includes \$90,000,000 for the industrial technologies program, to include \$7,500,000 for steel, glass and metal casting in the industries (specific) program, and no less than \$25,000,000 for distributed energy generation, combined-heat and power activities, and the advanced reciprocating engines system program.

Federal Energy Management Programs.—The bill provides \$22,000,000 for the Federal Energy Management Programs.

Facilities and Infrastructure.—The bill provides \$76,000,000 for the renewable energy Facilities and Infrastructure account, to include \$10,000,000 for operations and maintenance of the National Renewable Energy Laboratory (NREL) in Golden, Colorado; \$12,000,000 to execute an existing memorandum of agreement with Sandia National Laboratories for supercomputing equipment and capacity to support NREL's mission needs; \$13,000,000 for South Table Mountain infrastructure and \$41,000,000 to complete construction of the NREL Energy Systems Integration Facility.

Program Direction.—The bill provides \$127,620,000 for Program Direction.

Program Support.—The bill provides \$18,156,620 for Program Support.

Weatherization Assistance, Training, and Technical Assistance.—The bill provides \$200,000,000 for weatherization assistance program grants, training and technical assistance.

State Energy Program.—The bill provides \$50,000,000 for the State Energy Program, to include \$25,000,000 for competitive energy projects.

International Renewable Energy Program.—The bill provides \$5,000,000 for the International Renewable Energy Program, to include \$2,000,000 for the U.S.-Israel cooperative agreement, and \$2,000,000 for the Western Hemisphere Energy Cooperation Initiative.

Tribal Energy Activities.—The bill provides \$6,000,000 for tribal energy activities.

Renewable Energy Production Incentive.—The bill provides \$5,000,000 for the Renewable Energy Production Incentive.

Use of prior-year balances.—The Department is directed to use \$13,238,000 of prior year balances.

Congressionally directed projects.—The bill provides \$228,803,380 for congressionally directed projects, for the purposes of research, development, and demonstration of energy efficiency or renewable energy technologies or programs. The agency should remind recipients that statutory cost sharing requirements may apply to these projects.

CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND RENEWABLE ENERGY PROJECTS

PROJECT

ADAPTIVE LIQUID CRYSTAL WINDOWS (OH)	\$951,500
ADVANCED ENGINEERED RAPIDLY DEPLOYABLE MANUFACTURING METHODS AND MATERIALS FOR ENVIRONMENTALLY-BENIGN AND ENERGY EFFICIENT HOUSING (VA)	\$475,750
ADVANCED POWER BATTERIES FOR RENEWABLE ENERGY APPLICATIONS (PA)	\$351,104
ALGAL-BASE RENEWABLE ENERGY FOR NEVADA (NV)	\$713,625
ALTERNATIVE CROPS AND BIOFUEL PRODUCTION (OK)	\$285,450
ALTERNATIVE ENERGIES WORKFORCE APPLICATIONS EDUCATION AND TRAINING PROGRAM (OH)	\$951,500
ALTERNATIVE ENERGY ENGINEERING TECHNOLOGY (VA)	\$95,150
ALTERNATIVE ENERGY FOR HIGHER EDUCATION (NE)	\$1,141,800
ALTERNATIVE ENERGY SCHOOL OF THE FUTURE, CLARK COUNTY (NV)	\$1,189,375
ALTERNATIVE FUEL CELL MEMBRANES FOR NATIONAL ENERGY INDEPENDENCE (MS)	\$951,500
ANAEROBIC DIGESTER AND COMBINED HEAT POWER PROJECT (MD)	\$570,900
ANCHORAGE REGIONAL LANDFILL (AK)	\$713,625
ANN ARBOR WIND GENERATOR FOR WATER TREATMENT PLANT (MI)	\$951,500
ANTI-IDLING LITHIUM ION BATTERY PROGRAM, CALIFORNIA (CA)	\$951,500
ATLANTA INTERNATIONAL TERMINAL LEED CERTIFICATION (GA)	\$475,750
AUBURN UNIVERSITY BIOENERGY AND BIOPRODUCTS LABORATORY (AL)	\$951,500
BEXAR COUNTY PHOTOVOLTAIC PANELS (TX)	\$475,750
BIO-DIESEL CELLULOSIC ETHANOL RESEARCH FACILITY (FL)	\$951,500
BIOECONOMY INITIATIVE AT MBI INTERNATIONAL (MI)	\$475,750
BIOENERGY DEMONSTRATION PROJECT: VALUE-ADDED PRODUCTS FROM RENEWABLE FUELS (NE)	\$1,903,000
BIOFUELS DEVELOPMENT AT TEXAS A&M (TX)	\$951,500
BIOFUELS RESEARCH AND DEVELOPMENT INFRASTRUCTURE (WA)	\$475,750
BIOGAS CENTER OF EXCELLENCE (MI)	\$951,500
BIOMASS ENERGY GENERATION PROJECT (IA)	\$285,450
BIOMASS ENERGY RESOURCES CENTER (VT)	\$1,427,250
BIOMASS FUEL CELL SYSTEMS (CO)	\$1,665,125
BIOMASS GASIFICATION RESEARCH AND DEVELOPMENT PROJECT (WA)	\$951,500
BIOREFINERY DEMONSTRATION PROJECT, UGA, ATHENS (GA)	\$1,189,375
BIOREFINERY FOR ETHANOL, CHEMICALS, ANIMAL FEED AND BIOMATERIALS FROM SUGARCANE BAGASSE (LA)	\$951,500
BIOREFINING FOR ENERGY SECURITY PROJECT, OU-LANCASTER (OH)	\$951,500
BOISE CITY GEOTHERMAL SYSTEM EXPANSION (ID)	\$1,427,250
CARBON NEUTRAL GREEN CAMPUS (NV)	\$380,600
CAYUGA COUNTY REGIONAL DIGESTER FACILITY (NY)	\$475,750
CENTER FOR CLEAN FUELS AND POWER GENERATION AT THE UNIV OF HOUSTON (TX)	\$475,750
CENTER FOR EFFICIENCY IN SUSTAINABLE ENERGY SYSTEMS (OH)	\$1,903,000

CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND RENEWABLE ENERGY PROJECTS

PROJECT

CENTER FOR INTEGRATED BIOMASS RESEARCH (NC)	\$1,208,405
CENTER FOR INTERNATIONAL INTELLIGENT TRANSPORTATION RESEARCH (TX)	\$523,325
CENTER FOR NANOSCALE ENERGY (ND)	\$4,757,500
CENTER FOR RENEWABLE ENERGY, SCIENCE AND TECHNOLOGY (TX)	\$1,403,463
CENTER OF EXCELLENCE IN OCEAN ENERGY RESEARCH AND DEVELOPMENT, FLORIDA ATLANTIC UNIVERSITY (FL)	\$1,189,375
CENTRAL VERMONT RECOVERED BIOMASS FACILITY (VT)	\$951,500
CHARITON VALLEY DENSIFICATION—PHASE II (IA)	\$951,500
CHRISTMAS VALLEY RENEWABLE ENERGY DEVELOPMENT (OR)	\$380,600
CITY OF GRAND RAPIDS BUILDING GREEN ROOF DEMONSTRATION (MI)	\$142,725
CITY OF LAS VEGAS PLUG-IN HYBRID VEHICLE DEMONSTRATION PROGRAM (NV)	\$142,725
CITY OF LOUISVILLE ENERGY CONSERVATION INITIATIVE (KY)	\$142,725
CITY OF MARKHAM COMMUNITY CENTER (IL)	\$237,875
CITY OF MIAMI GREEN INITIATIVE (FL)	\$951,500
CITY OF TALLAHASSEE INNOVATIVE ENERGY INITIATIVES (FL)	\$570,900
CLEAN AND EFFICIENT DIESEL ENGINE (PA)	\$1,189,375
CLEAN POWER ENERGY RESEARCH CONSORTIUM (LA)	\$1,903,000
CLEAN TECHNOLOGY COMMERCIALIZATION INITIATIVE (PA)	\$951,500
CLEAN TECHNOLOGY EVALUATION PROGRAM (MA)	\$475,750
CLEARY UNIVERSITY GEOTHERMAL ENERGY RETROFIT (MI)	\$475,750
CLEMSON UNIVERSITY CELLULOSIC BIOFUEL PILOT PLANT IN CHARLESTON (SC)	\$951,500
CLOSED LOOP WOODY BIOMASS PROJECT (NY)	\$475,750
COASTAL WIND OHIO (OH)	\$951,500
COLUMBIA GORGE COMMUNITY COLLEGE WIND ENERGY WORKFORCE TRAINING NACELLE (OR)	\$237,875
CONSORTIUM FOR PLANT BIOTECHNOLOGY RESEARCH (FL, GA, HI, IA, KY, LA, MI, MN, NC, ND, NE, NY, OH, SD, WA)	\$3,806,000
CONTROLLED ENVIRONMENTAL AGRICULTURE AND ENERGY PROJECT (NY)	\$475,750
COOLING HEATING AND POWER AND BIO-FUEL APPLICATION CENTER (MS)	\$1,903,000
DEVELOPING NEW ALTERNATIVE ENERGY IN VIRGINIA: BIO-DIESEL FROM ALGAE (VA)	\$713,625
DEVELOPMENT OF BIOFUELS (NV)	\$1,024,167
DEVELOPMENT OF HIGH YIELD FEEDSTOCK AND BIOMASS CONVERSION TECHNOLOGY FOR RENEWABLE ENERGY PRODUCTION AND ECONOMIC DEVELOPMENT (HI)	\$1,427,250
DOWNTOWN DETROIT ENERGY EFFICIENCY STREET LIGHTING (MI)	\$951,500
DUECO PLUG-IN HYBRID ENGINES (WI)	\$1,903,000
ECOLOGICALLY SUSTAINABLE CAMPUS - NEW ENGLAND COLLEGE (NH)	\$299,723
ENERGY AND ENVIRONMENTAL RESEARCH CENTER FOR BIOMASS UTILIZATION (ND)	\$2,000,053
ENERGY EFFICIENCY/SUSTAINABLE ENERGY PROJECT (NC)	\$951,500

CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND RENEWABLE ENERGY PROJECTS

PROJECT

ENERGY EFFICIENT BUILDINGS, SALT LAKE COUNTY, UTAH (UT)	\$618,475
ENERGY EFFICIENT ELECTRONICS COOLING PROJECT (IN)	\$951,500
ENERGY EFFICIENT LIGHTING PROJECT (KY)	\$190,300
ENERGY PRODUCTION THROUGH ANAEROBIC DIGESTION (NJ)	\$475,750
ENVIRONMENTAL SYSTEM CENTER AT SYRACUSE UNIVERSITY (NY)	\$713,625
ETHANOL FROM AGRICULTURE FOR ARKANSAS AND AMERICA (AR)	\$951,500
ETHANOL PILOT PLANT (MA, CT)	\$2,664,200
FLEXIBLE THIN-FILM SILICON SOLAR CELLS (OH)	\$1,189,375
FLORIDA RENEWABLE ENERGY PROGRAM (FL)	\$713,625
FLUID FLOW OPTIMIZATION OF AEROGEL BLANKET MANUFACTURING PROCESS (MA)	\$1,427,250
FORESTRY BIOFUEL STATEWIDE COLLABORATION CENTER (MI)	\$1,427,250
FROSTBURG STATE UNIVERSITY SUSTAINABLE ENERGY RESEARCH FACILITY EQUIPMENT AND STAFFING (MD)	\$856,350
FUEL CELL OPTIMIZATION AND SCALE-UP (PA)	\$351,104
GENETIC IMPROVEMENTS OF SWITCHGRASS (RI)	\$1,427,250
GEOTHERMAL ENERGY PROJECT AT ROBERTS WESLEYAN COLLEGE (NY)	\$475,750
GEOTHERMAL POWER GENERATION PLANT (OR)	\$1,522,400
GREAT BASIN CENTER FOR GEOTHERMAL ENERGY (NV)	\$682,778
GREAT LAKES INSTITUTE FOR ENERGY INNOVATION (OH)	\$951,500
GREAT PLAINS WIND POWER TEST FACILITY (TX)	\$1,903,000
GREEN BUILDING TECHNOLOGIES - LAKEVIEW MUSEUM (IL)	\$237,875
GREEN BUILDING TECHNOLOGIES - BRADLEY UNIVERSITY (IL)	\$475,750
GREEN COLLAR AND RENEWABLE ENERGY TRAINING PROGRAM, AB TECHNICAL COMMUNITY COLLEGE (NC)	\$666,050
GREEN ENERGY JOB TRAINING INITIATIVE (CA)	\$237,875
GREEN POWER INITIATIVE (IA)	\$951,500
GREEN ROOF PROJECT - GREENE COUNTY (MO)	\$475,750
GREEN VEHICLE DEPOT (NY)	\$285,450
HARLEM UNITED SUPPORTIVE HOUSING FUND WIND POWER PROJECT (NY)	\$47,575
HAWAII-NEW MEXICO SUSTAINABLE ENERGY SECURITY PARTNERSHIP (HI)	\$3,116,202
HIDALGO COUNTY WASTE TO ENERGY PROJECT (TX)	\$118,938
HIGH CARBON FLY ASH USE FOR THE US CEMENT INDUSTRY (UT)	\$951,500
HIGH PERFORMANCE, LOW COST HYDROGEN GENERATION FROM RENEWABLE ENERGY (CT)	\$951,500
HOLLOW GLASS MICROSPHERES (NV)	\$523,325
HULL MUNICIPAL LIGHT PLANT OFFSHORE WIND PROJECT (MA)	\$951,500
HYDROELECTRIC POWER GENERATION, QUINCY (IL)	\$475,750
HYDROGEN OPTICAL FIBER SENSORS (CA)	\$951,500
HYDROGEN STORAGE SYSTEM FOR VEHICULAR PROPULSION (DE)	\$1,427,250

CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND RENEWABLE ENERGY PROJECTS

PROJECT

HYDROPOWER FROM WASTEWATER ADVANCED ENERGY PROJECT (NY)	\$475,750
HYPERCAST R&D FUNDING FOR VEHICLE ENERGY EFFICIENCY THROUGH CAST METAL AUTO-COMBUSTION SYNTHESIS (MA)	\$1,427,250
ILLINOIS STATE UNIVERSITY - BIOMASS RESEARCH PROJECT (IL)	\$475,750
INTEGRATED POWER FOR MICROSYSTEMS AT ROCHESTER INSTITUTE OF TECHNOLOGY (NY)	\$951,500
INTEGRATED SUSTAINABILITY INITIATIVE (NV)	\$951,500
INTELLIGENT CONTROLS FOR NET-ZERO ENERGY BUILDINGS (NE)	\$475,750
INTELLIGENT FACADES FOR HIGH PERFORMANCE "GREEN BUILDINGS" (NY)	\$713,625
IOWA CENTRAL COMMUNITY COLLEGE RENEWABLE FUELS LAB (IA)	\$475,750
IOWA LAKES COMMUNITY COLLEGE SUSTAINABLE ENERGY EDU. CENTER (IA)	\$475,750
ISLES, INC., SOLAR AND GREEN RETROFITS (NJ)	\$237,875
JUNIATA HYBRID LOCOMOTIVE (PA)	\$713,625
KANSAS BIOFUELS CERTIFICATION LABORATORY (KS)	\$989,560
KANSAS STATE UNIVERSITY CENTER FOR SUSTAINABLE ENERGY (KS)	\$713,625
KANSAS WIND ENERGY CONSORTIUM (KS)	\$713,625
LA SAMILLA SOLAR TROUGH STORAGE PROJECT (NM)	\$1,903,000
LAKE LAND COLLEGE ENERGY EFFICIENT BUILDINGS (IL)	\$1,332,100
LANDFILL GAS UTILIZATION PLANT (NY)	\$1,903,000
LEHIGH VALLEY HOSPITAL PHOTOVOLTAIC PANEL INSTALLATION (PA)	\$951,500
LIGHTWEIGHT COMPOSITES FOR HEAVY-DUTY VEHICLES AND HYDROGEN STORAGE (WV)	\$475,750
LOW COST THIN FILMED SILICON BASED PHOTOVOLTAICS (NY)	\$475,750
MACOMB COMMUNITY COLLEGE TRANSPORTATION AND ENERGY TECHNOLOGY (MI)	\$475,750
MAINE TIDAL POWER INITIATIVE (ME)	\$951,500
MANUFACTURING INDUSTRIAL DEVELOPMENT FOR THE HYDROGEN ECONOMY (MI)	\$761,200
MARET CENTER (MO)	\$951,500
MARINE RENEWABLE ENERGY CENTER (MA)	\$951,500
MARQUETTE UNIVERSITY ANAEROBIC BIOTECHNOLOGY (WI)	\$475,750
MARTIN COUNTY HYDROGEN FUEL CELL PROJECT (NC)	\$1,427,250
MIAMI SCIENCE MUSEUM RENEWABLE ENERGY RESEARCH PROJECT (FL)	\$713,625
MICHIGAN ALTERNATIVE AND RENEWABLE ENERGY CENTER OFFSHORE WIND DEMONSTRATION PROJECT (MI)	\$1,427,250
MIDDLESEX COMMUNITY COLLEGE'S GEOTHERMAL PROJECT (MA)	\$237,875
MIDSOUTH/SOUTHEAST BIOENERGY CONSORTIUM (AR, GA)	\$1,903,000
MINNESOTA CENTER FOR RENEWABLE ENERGY (MN)	\$713,625
MODULAR ENERGY STORAGE SYSTEM FOR HYDROGEN FUEL CELL (MI)	\$1,189,375
MULTIFUNCTIONAL SOLAR ENERGY SYSTEMS RESEARCH (UT)	\$1,332,100
MUNSTER--WASTE TO ENERGY COGENERATION PROJECT (IN)	\$951,500

CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND RENEWABLE ENERGY PROJECTS

PROJECT

NANOSTRUCTURED MATERIALS FOR ENERGY (NC)	\$951,500
NANOSTRUCTURED SOLAR CELLS FOR INCREASED EFFICIENCY AND LOWER COST (AR)	\$1,189,375
NASI AND NA-SG POWDER HYDROGEN FUEL CELLS (NY, NJ)	\$951,500
NATIONAL AGRICULTURE-BASED INDUSTRIAL LUBRICANTS (NABL), BIOMASS (IA)	\$570,900
NATIONAL CENTER FOR MANUFACTURING SCIENCES LIGHTWEIGHT VEHICLE MATERIALS (MI)	\$1,903,000
NATIONAL WIND ENERGY CENTER (TX)	\$2,378,750
NEVADA INSTITUTE FOR RENEWABLE ENERGY COMMERCIALIZATION (NV)	\$475,750
NEVADA VIRTUAL RENEWABLE ENERGY INTEGRATION AND DEVELOPMENT CENTER (NV)	\$2,560,418
NEW SCHOOL "GREEN" BUILDING (NY)	\$1,903,000
NIAGARA RIVER HYDROPOWER (NY)	\$475,750
NORTH CAROLINA CENTER FOR AUTOMOTIVE RESEARCH (NC)	\$475,750
NOTRE DAME/NISOURCE GEOTHERMAL IONIC LIQUIDS RESEARCH COLLABORATIVE (IN)	\$951,500
OHIO ADVANCED ENERGY MANUFACTURING CENTER (OH)	\$951,500
OMEGA OPTICAL SOLAR POWER GENERATION DEVELOPMENT (VT)	\$1,427,250
ONE KILOWATT BIOGAS FUELED SOLID OXIDE FUEL CELL STACK (NY)	\$951,500
OREGON SOLAR HIGHWAY (OR)	\$951,500
OU CENTER FOR BIOFUELS REFINING ENGINEERING (OK)	\$713,625
PECOS VALLEY BIOMASS ENERGY PROJECT (NM)	\$2,378,750
PHOTOVOLTAIC SYSTEM AT TOWN LANDFILL IN ISLIP (NY)	\$475,750
PINELLAS COUNTY REGIONAL URBAN SUSTAINABILITY DEMONSTRATION AND EDUCATION FACILITY (FL)	\$475,750
PITTSBURGH GREEN INNOVATORS SYNERGY CENTER (PA)	\$570,900
PLACER COUNTY BIOMASS UTILIZATION PILOT PROJECT (CA)	\$1,427,250
PLUG-IN HYBRID AND ETHANOL RESEARCH PLATFORMS (NC)	\$808,775
POPE/DOUGLAS THIRD COMBUSTER EXPANSION (MN)	\$951,500
PURDUE HYDROGEN TECHNOLOGIES PROGRAM (IN)	\$951,500
RENEWABLE ENERGY CLEAN AIR PROJECT (RECAP) (MN)	\$951,500
RENEWABLE ENERGY CENTER (NV)	\$475,750
RENEWABLE ENERGY DEVELOPMENT VENTURE (HI)	\$3,799,205
RENEWABLE ENERGY FEASIBILITY STUDY (NJ)	\$475,750
RENEWABLE/ALTERNATIVE ENERGY CENTER (FL)	\$951,500
RENEWABLE/SUSTAINABLE BIOMASS PROJECT (AK)	\$475,750
RHODE ISLAND OCEAN SPECIAL AREA MANAGEMENT PLAN (RI)	\$666,050
SAN FRANCISCO BIOFUELS PROGRAM (CA)	\$951,500
SANDIA NATIONAL LAB CONCENTRATING SOLAR (NM)	\$2,854,500
SAPPHIRE ALGAE TO FUEL DEMONSTRATION PROJECT, PORTALES (NM)	\$951,500

CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND RENEWABLE ENERGY PROJECTS

PROJECT

SENIOR HOUSING PROJECT GREEN BUILDING, CERRITOS (CA)	\$380,600
SNOHOMISH COUNTY PUD NO. 1 GEOTHERMAL ENERGY STUDY (WA)	\$475,750
SOLAR DEMONSTRATION AND RESEARCH FACILITY (FL)	\$237,875
SOLAR ELECTRIC POWER SYSTEM (NY)	\$66,605
SOLAR ENERGY WINDOWS AND SMART IR SWITCHABLE BUILDING TECHNOLOGIES (PA)	\$1,189,375
SOLAR LIGHTING DEMONSTRATION PROJECT (NV)	\$761,200
SOLAR PANELS AND ENVIRONMENTAL EDUCATION (NJ)	\$951,500
SOLAR PANELS FOR THE HAVERHILL CITIZENS ENERGY EFFICIENCY (MA)	\$237,875
SOLAR POWER GENERATION (NJ)	\$285,450
SOLAR THERMAL DEMONSTRATION PROJECT (NV)	\$1,189,375
SOUTHERN REGIONAL CENTER FOR LIGHTWEIGHT INNOVATIVE DESIGN (MS)	\$3,806,000
SOUTHWEST ALASKA REGIONAL GEOTHERMAL ENERGY PROJECT (AK)	\$2,854,500
SPRINGFIELD HOSPITAL GREEN BUILDING (OH)	\$3,806,000
ST. CLAIR COMMUNITY COLLEGE (MI)	\$190,300
ST. PETERSBURG SOLAR PILOT PROJECT (FL)	\$1,427,250
STAMFORD WASTE TO ENERGY PROJECT (CT)	\$1,903,000
STORAGE TANKS AND DISPENSERS FOR E85 AND BIO-DIESEL (IL)	\$375,843
STRATEGIC BIOMASS INITIATIVE (MS)	\$475,750
SUN GRANT INITIATIVE (SD)	\$3,806,000
SUSTAINABLE ENERGY FOR HOMES AND BUSINESSES (VT)	\$713,625
SUSTAINABLE ENERGY FOR VERMONT SCHOOLS COMPETITION (VT)	\$856,350
SUSTAINABLE ENERGY RESEARCH CENTER (MS)	\$10,466,500
SUSTAINABLE HYDROGEN FUELING STATION, CALIFORNIA STATE UNIVERSITY LOS ANGELES (CA)	\$475,750
SUSTAINABLE LAS VEGAS (NV)	\$951,500
THE INSTITUTE FOR ENERGY, ENVIRONMENT AND SUSTAINABILITY (KS)	\$713,625
THE OHIO STATE UNIVERSITY - OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (OH)	\$380,600
TIDAL ENERGY STUDY (WA)	\$475,750
TOWN OF MEXICO GEOTHERMAL PROJECT (NY)	\$142,725
TRANSPO BUS OPERATIONS AND MAINTENANCE CENTER, SOUTH BEND (IN)	\$951,500
TRANSPORTABLE EMISSIONS TESTING LAB (WV)	\$951,500
TRENTON FUEL WORKS CELLULOSIC DIESEL BIOREFINERY (NJ)	\$475,750
TSEC PHOTOVOLTAIC INNOVATION (NY)	\$1,903,000
UNALASKA GEOTHERMAL ENERGY (AK)	\$951,500
UNIVERSITY OF KENTUCKY BIO-FUELS RESEARCH LABORATORY (KY)	\$428,175
UNIVERSITY OF NORTH ALABAMA GREEN CAMPUS INITIATIVE (AL)	\$951,500

**CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND
RENEWABLE ENERGY PROJECTS**

PROJECT

UNIVERSITY OF SOUTHERN INDIANA ADVANCED MANUFACTURING AND ENGINEERING EQUIPMENT PROJECT (IN)	\$951,500
URBAN WOOD-BASED BIO-ENERGY SYSTEM IN SEATTLE (WA)	\$475,750
USD CATALYSIS GROUP FOR ALTERNATIVE ENERGY (DE)	\$1,046,650
VERMONT BIOFUELS INITIATIVE (VT)	\$1,427,250
WATER-TO-WATER HEAT PUMP CHILLERS, PHOENIX CHILDREN (AZ)	\$1,951,717
WAVE ENERGY RESEARCH AND DEMONSTRATION CENTER (OR)	\$2,331,175
WESTERN MASSACHUSETTS COLLABORATIVE WIND PROJECT (MA)	\$1,189,375
WIND TURBINE ELECTRIC HIGH-SPEED SHAFT BRAKE PROJECT (OH)	\$475,750
WIND TURBINE MODEL AND PILOT PROJECT FOR ALTERNATIVE ENERGY (DE)	\$1,427,250
WINOOSKI COMMUNITY GREENING PROJECT (VT)	\$114,180
WISDOM WAY SOLAR VILLAGE (MA)	\$570,900
WOODY BIOMASS PROJECT AT SUNY-ESF (NY)	\$713,625
REDIRECTION OF FISCAL YEAR 2008 FUNDING FOR BIODIESEL INJECTION BLENDING FACILITIES (PA)	-\$702,207

ELECTRICITY DELIVERY AND ENERGY
RELIABILITY

The bill provides \$137,000,000 for the Office of Electricity Delivery and Energy Reliability, to include \$84,721,000 for research and development, \$11,451,000 for operations and analysis, and \$21,179,525 for program direction.

Prior year balances.—Prior year balances for Project Engineering and Design of the

Energy Reliability and Efficiency Laboratory originally appropriated in the former Energy Supply appropriation should be merged into the Electricity Delivery and Energy Reliability appropriation and placed in the Research and Development, Visualization and Controls account to support research and development activities at the Oak Ridge National Laboratory. Amounts are

available because the project was cancelled to support higher priorities.

Congressionally directed projects.—The bill provides \$19,648,475 for congressionally directed projects, for the purposes of research, development, and demonstration of energy technologies or programs. The agency should remind recipients that statutory cost sharing requirements may apply to these projects.

CONGRESSIONALLY DIRECTED ELECTRICITY DELIVERY AND ENERGY RELIABILITY PROJECTS

PROJECT

ALTERNATE FUEL FOR CEMENT PROCESSING (AL)	\$1,427,250
BISMARCK STATE COLLEGE CENTER OF EXCELLENCE LABORATORIES (ND)	\$2,188,450
DEVELOPMENT OF TOROIDAL CORE TRANSFORMERS (NY)	\$951,500
ENERGY DEVELOPMENT AND RELIABILITY (ND)	\$285,450
ENERGY TECHNOLOGIES RESEARCH AND EDUCATION INITIATIVE (NM)	\$951,500
FEASIBILITY STUDY OF CONNECTING THE ST. THOMAS-ST. JOHN AND ST. CROIX ELECTRICITY GRIDS (VI)	\$475,750
HIGH VOLTAGE TRANSMISSION LINES - PHASE II (TN)	\$475,750
INTEGRATED DISTRIBUTION MANAGEMENT SYSTEM (AL)	\$2,854,500
IOWA STORED ENERGY PLANT (IA)	\$1,427,250
LONG ISLAND SMART METERING PILOT PROJECT (NY)	\$713,625
MICROGRIDS FOR COLONIAS (TX)	\$475,750
NATIONAL CENTER FOR RELIABLE ELECTRIC POWER TRANSMISSION (NCREPT) (AR)	\$475,750
NAVAJO ELECTRIFICATION DEMONSTRATION PROGRAM (NM)	\$1,903,000
NORTH DAKOTA ENERGY WORKFORCE DEVELOPMENT (ND)	\$1,807,850
POWER GRID RELIABILITY AND SECURITY (WA)	\$951,500
RED RIVER VALLEY RESEARCH CORRIDOR TECHNOLOGY DEVELOPMENT (ND)	\$380,600
SAN MATEO COUNTY SOLAR GENESIS PROJECT (CA)	\$1,427,250
SMARTGRID INTEGRATION LAB (CO)	\$475,750

NUCLEAR ENERGY

(INCLUDING TRANSFER OF FUNDS)

The bill provides \$792,000,000 for nuclear energy programs. The total amount available for Nuclear Energy programs and facilities is \$870,811,000, including \$78,811,000 of costs allocated to the 050 budget function (i.e., defense activities) for Idaho Site-wide and Security activities. The bill provides the Office of Nuclear Energy (NE), the Nuclear Regulatory Commission (NRC) and the Defense Nuclear Nonproliferation program (DNN) funding to execute a new Integrated University Program. Each office has been provided \$5,000,000 to be used by each organization to support a Nuclear Science and Engineering Grant program. The program will be coordinated and jointly implemented by all three agencies. It will support multiyear research projects that do not align with programmatic missions, but are critical to maintaining the discipline of nuclear science and engineering. Additional funding has been provided to the NRC and the DNN to support university research and development in areas relevant to the organization's mission. Authorization language in section 313 in Title III, General Provisions of the bill is provided for this program.

Integrated University Program.—The bill provides \$5,000,000 for grants and fellowships

that support nuclear science and engineering education at the Department of Energy.

Nuclear Power 2010.—The bill provides \$177,500,000 for Nuclear Power 2010.

Generation IV Nuclear Energy Systems Initiative.—The bill provides \$180,000,000 for Generation IV nuclear energy systems. Of this amount \$169,000,000 is for the Next Generation Nuclear Plant project, \$2,000,000 to continue work with Russia on gas reactors, \$7,000,000 for deep burn (actinide management) characteristics of gas-cooled reactors, and \$2,000,000 is for research and development for the Gen IV reactor program.

Nuclear Hydrogen Initiative.—The bill provides \$7,500,000.

Advanced Fuel Cycle Initiative.—The bill provides \$145,000,000 for the Advanced Fuel Cycle Initiative (AFCI), for research and development activities on proliferation resistant fuel cycles and waste reduction strategies.

Space and defense infrastructure.—The bill provides \$35,000,000 for space and defense infrastructure. DOE is directed to work in coordination with the Director of the Office of Science and Technology Policy in the development of a plan for restarting and sustaining U.S. domestic production of radioisotope thermoelectric generator material for the nation's space and defense needs.

Research reactor infrastructure.—The bill provides \$6,145,500 for fresh reactor fuel, dis-

posal of spent fuel for university reactors, and improved reactor instrumentation and equipment upgrades.

Oak Ridge nuclear infrastructure.—The bill provides \$12,500,000 for Oak Ridge radiological facilities management for hot cells at the Radiochemical Engineering Development Center.

Los Alamos nuclear infrastructure.—The bill provides \$12,500,000 for Los Alamos radiological facilities.

Idaho National Laboratory (INL) operations and infrastructure.—The bill provides \$140,000,000 for INL operations and infrastructure.

Idaho site-wide safeguards and security.—The bill transfers \$78,811,000 from the Other Defense Activities account to the Nuclear Energy program.

Program direction.—The bill provides \$73,000,000 for program direction.

Use of prior-year balances.—The Department is directed to use \$5,000,000 of prior year balances, of which \$984,000 is to be taken from the fiscal year 2008 congressionally directed project "CVD Single Crystal Diamond Optical Switch."

Congressionally directed projects.—The bill provides \$2,854,500 for congressionally directed projects. The agency should remind recipients that statutory cost sharing requirements may apply to these projects.

CONGRESSIONALLY DIRECTED NUCLEAR ENERGY PROJECTS

PROJECT	
TECHNOLOGIES VENTURES CORPORATION (NM)	\$2,854,500

CLEAN COAL TECHNOLOGY
(INCLUDING TRANSFER OF FUNDS)

The bill transfers \$149,000,000 from available balances in the Clean Coal Technology account to the Fossil Energy Research and Development account in fiscal year 2009.

FOSSIL ENERGY RESEARCH AND
DEVELOPMENT

(INCLUDING TRANSFER OF FUNDS)

The bill provides \$876,320,000 for Fossil Energy Research and Development programs, supporting the advancement of a range of the Department's fossil energy research and development activities. The bill transfers \$59,000,000 from prior year unobligated FutureGen balances to Round III of the Clean Coal Power Initiative (CCPI) to be used until expended. The bill includes a provision that clarifies that funds available for the CCPI Round III Funding Opportunity Announcement may be used to support any technology that meets the requirements of the Round III Funding Opportunity Announcement, without regard to the 70/30 percent funding allocations specified in Public Law 109-58. Recognizing the critical importance of developing and deploying carbon capture and storage and other beneficial uses

of CO₂, this language is added to permit the Department flexibility to select the best technology options under the CCPI Round III solicitation.

Clean Coal Power Initiative.—The bill includes \$288,174,000 for the CCPI. Combined with unobligated balances in the CCPI account, and \$59,000,000 of unobligated balances from the FutureGen project, there should be over \$700,000,000 available for the Round III solicitation.

FutureGen.—The bill provides no new funds for FutureGen, and directs that \$59,000,000 of prior year unobligated balances be made available for the CCPI Round III solicitation. The bill leaves \$73,000,000 of unobligated balances in the FutureGen account should the Administration revisit prior year FutureGen agreements.

Fuels and Power Systems.—The bill includes \$404,235,850 for Fuels and Power Systems. Within available funds for the fuels program, the Office of Fossil Energy shall conduct a pre-feasibility analysis of the technical, economic, and environmental aspects of a clean coal biomass polygeneration plant equipped with carbon capture using a range of coals to produce chemicals, fuels, and power at diverse locations.

Natural gas technologies.—The bill provides \$20,000,000 for natural gas technologies, to include no less than \$15,000,000 for methane gas hydrates research and development.

Petroleum-oil technologies.—The bill provides \$5,000,000 for petroleum-oil technologies, to include \$2,000,000 for the Risk Based Data Management System.

Program direction.—The bill provides \$152,000,000 for program direction.

Other.—The bill provides funds for the following activities: \$18,000,000 for Plant and Capital Equipment; \$9,700,000 for Fossil Energy Environmental Restoration; \$656,000 for Special Recruitment Programs; and \$5,000,000 for Cooperative Research and Development.

Use of prior-year balances.—The Department is directed to use \$70,310,000 of prior year balances, of which \$59,000,000 is directed to come from the FutureGen account.

Congressionally directed projects.—The bill provides \$43,864,150 for congressionally directed projects, for the purposes of research, development, and demonstration of coal and other fossil energy related technologies or programs. The Department should remind recipients that statutory cost sharing requirements may apply to these projects.

CONGRESSIONALLY DIRECTED FOSSIL ENERGY RESEARCH AND DEVELOPMENT PROJECTS

PROJECT

ARCTIC ENERGY OFFICE (AK)	\$3,806,000
CENTER FOR ZERO EMISSIONS RESEARCH AND TECHNOLOGY (MT)	\$5,709,000
CO2 CAPTURE/SEQUESTRATION RESEARCH (PA)	\$475,750
DIRECT METHANOL FUEL CELL (IN)	\$951,500
FOSSIL FUEL RESEARCH & DEVELOPMENT (ND)	\$3,806,000
FUEL CELL TECH FOR CLEAN COAL POWER PLANTS (OH)	\$1,427,250
GULF OF MEXICO HYDRATES RESEARCH CONSORTIUM (MS)	\$1,141,800
ITM REACTION-DRIVEN CERAMIC MEMBRANE SYSTEMS (PA)	\$951,500
LONG TERM ENVIRONMENTAL AND ECONOMIC IMPACTS OF THE DEVELOPMENT OF A COAL LIQUEFACTION SECTOR IN CHINA (WV)	\$475,750
METHANOL ECONOMY (CA)	\$1,903,000
MULTI-POLLUTANT REMOVAL AND ADVANCED MULTI-POLLUTANT REMOVAL AND ADVANCED CARBON CAPTURE AND STORAGE PROJECTS USING ECO TECHNOLOGY (OH)	\$951,500
MULTI-YEAR DEMONSTRATION OF CARBON SEQUESTRATION IN A DEEP SALINE RESERVOIR (CO)	\$1,427,250
NATIONAL CENTER FOR HYDROGEN TECHNOLOGY (ND)	\$2,854,500
PILOT ENERGY COST CONTROL EVALUATION (PECCE) PROJECT (WV, PA & IN)	\$2,355,914
REFINING CAPACITY STUDY (ND)	\$475,750
ROLLS ROYCE SOLID OXIDE FUEL CELL SYSTEMS DEVELOPMENT (OH)	\$1,284,525
SHALE OIL UPGRADING UTILIZING IONIC CONDUCTIVE MEMBRANES (UT)	\$2,188,450
SOLID OXIDE FUEL CELLS (PA)	\$1,903,000
THE CENTER FOR ADVANCED SEPARATION TECHNOLOGY (KY)	\$2,854,500
UNIVERSITY OF KENTUCKY COAL-DERIVED LOW ENERGY MATERIALS FOR SUSTAINABLE CONSTRUCTION PROJECT (KY)	\$951,500
UNIVERSITY OF KENTUCKY STRATEGIC LIQUID TRANSPORTATION FUELS DERIVED FROM COAL (KY)	\$1,379,675
UTAH CENTER FOR ULTRA CLEAN COAL UTILIZATION & HEAVY OIL RESEARCH (UT)	\$4,757,500
VERSAILLES BOROUGH STRAY GAS MITIGATION (PA)	\$380,600
WYOMING CO2 SEQUESTRATION TESTING PROGRAM (WY)	\$856,350
REDIRECTION OF FISCAL YEAR 2008 FUNDING FOR PILOT ENERGY COST CONTROL EVALUATION (WV, PA, & IN)	-\$1,404,414

NAVAL PETROLEUM AND OIL SHALE
RESERVES

The bill provides \$19,099,000 for the operation of the Naval Petroleum and Oil Shale Reserves.

STRATEGIC PETROLEUM RESERVE

The bill provides \$205,000,000 for the Strategic Petroleum Reserve, to include \$31,507,000 for expansion activities at the Richton, Mississippi, site. The legislation includes a provision requiring the Secretary to submit a report within 45 days of enactment of this Act to the Congress on the effects of expansion of the Reserve on the domestic petroleum market prior to the obligation or expenditure of the funds for expansion activities.

NORTHEAST HOME HEATING OIL
RESERVE

The bill provides \$9,800,000 for the Northeast Home Heating Oil Reserve.

ENERGY INFORMATION
ADMINISTRATION

The bill provides \$110,595,000 for the Energy Information Administration (EIA). The EIA has failed to accurately predict the tremendous run up in oil and gas prices, raising serious questions regarding EIA's predictive

and modeling capabilities. The EIA is directed to consult independent expert entities with economic modeling experience to review and recommend improvements to its models and methodologies and propose a strategy to increase its in-house capabilities to more accurately predict global energy price trends.

NON-DEFENSE ENVIRONMENTAL
CLEANUP

The bill provides \$261,819,000 for Non-Defense Environmental Cleanup, to include \$65,500,000 for the West Valley Demonstration Project; \$81,296,000 for Gaseous Diffusion Plants, of which \$33,000,000 is for completion of the construction of line item 02-U-101, the Depleted Uranium Hexafluoride Conversion Facility at Paducah and Portsmouth; \$10,755,000 for the Fast Flux Test Reactor; and \$100,163,500 for the Small Sites program. Within Small Sites, a total of \$29,479,000 is provided for Argonne National Laboratory cleanup activities, which includes \$10,000,000 transferred from the Office of Science, and \$10,000,000 transferred from the Office of the Administrator, National Nuclear Security Administration. Bill language authorizes the cleanup of a vicinity property near Tuba City, Arizona, in the amount of \$5,000,000.

Internal reprogramming authority.—In fiscal year 2009, the Department may transfer up to \$2,000,000 between programs within the Non-Defense Environmental Cleanup accounts, to reduce health or safety risks or to gain cost savings as long as no program or project is increased or decreased by more than \$2,000,000 during the fiscal year. The account control points for reprogramming are the Fast Flux Test Reactor Facility, West Valley Demonstration Project, Gaseous Diffusion Plants, Small Sites, and construction line-items.

Report requirement.—The agency should, within 60 days of enactment of this Act, provide the Committees with a final cost and schedule estimate for the depleted uranium hexafluoride conversion facilities in Paducah, Kentucky, and Portsmouth, Ohio, to include a description on how it plans to meet that schedule, and how it plans to prevent similar problems in future contracts.

Use of prior-year balances.—The Department is directed to use \$653,000 of prior year balances.

Congressionally directed projects.—The bill provides \$4,757,500 for congressionally directed projects.

**CONGRESSIONALLY DIRECTED NON-DEFENSE ENVIRONMENTAL
CLEANUP PROJECTS**

PROJECT

BIOINFORMATICS AND COMPUTATIONAL BIOLOGY INITIATIVE (KY)	\$951,500
SOUTHWEST EXPERIMENTAL FAST OXIDE REACTOR DECOMMISSIONING (AR)	\$1,903,000
WESTERN ENVIRONMENTAL TECHNOLOGY OFFICE (MT)	\$1,903,000

URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND

The bill provides \$535,503,000 for activities funded from the Uranium Enrichment Decontamination and Decommissioning Fund, to include \$116,446,000 for Paducah, \$200,224,000 for Portsmouth, \$208,883,000 for Oak Ridge, and \$10,000,000 for the Title X uranium and thorium reimbursements program.

SCIENCE

The bill provides \$4,772,636,000 for Science. *High Energy Physics.*—The bill provides \$795,726,000 for this program. Within this amount, \$27,766,000 is provided for the NuMI Off-Axis Neutrino Appearance Detector, a reduction of \$9,234,000 from the request in recognition of funding provided in Public Law 110-252, and \$3,200,000 is provided for EXO 200 neutrinoless double beta decay experiments to complete construction in 2009. The control level is at the High Energy Physics level.

Nuclear Physics.—The bill provides \$512,080,080 for this program. Within this amount, \$24,900,000 is provided for the Research Isotope Production and Applications program, and within these funds \$5,000,000 is provided for the Research Isotope Development and Production Subprogram to develop and implement a research production strategy consistent with the National Academy of Sciences study entitled "State of the Science of Nuclear Medicine." Consistent with the cost-sharing requirements of Public Law 101-101, the Department is directed to develop a cost recovery strategy to ensure the long-term viability of the isotope production program. The Department is directed to complete a study on the feasibility of using the University of Missouri Research Reactor to supply up to half the U.S. demand for feedstock medical imaging compounds in the form of molybdenum-99 and technetium-99. The control level is at the Nuclear Physics level.

Biological and Environmental Research.—The bill provides \$601,540,000 for this program. This area of the Office of Science encompasses two distinct research efforts whose funding is provided in separate subaccounts: using biology to address energy production

and environmental remediation and a combination of climate and ecosystem modeling, field research, and radiation monitoring as part of the Climate Change Research Program. The Department is directed to manage these programs as independent subaccounts and component activities of the Office of Science.

Biological Research.—The bill provides \$423,613,000 for this program. Within this amount, \$23,121,000 is for Radiochemistry and Instrumentation including \$17,500,000 for nuclear medicine medical application research. All of the \$10,000,000 provided above the request must be awarded competitively in one or more solicitations that include all sources: universities, the private sector, and government laboratories.

Climate Change Research.—The bill provides \$177,927,000 for this program. The increase provides an additional \$2,500,000 for competitively selected climate modeling research, an additional \$500,000 for Climate Change Mitigation, and \$20,000,000 for enhanced predictive modeling, improved integration of ground and space-based climate monitoring data, and development of decision analysis tools at National Nuclear Security Administration laboratories.

Basic Energy Sciences.—The bill provides \$1,571,972,407 for this program. Within this amount, \$17,000,000 is provided for the Experimental Program to Stimulate Competitive Research (EPSCoR). Full funding is provided to support the operations of the major scientific user facilities and the five Nanoscale Science Research Centers, as well as additional instrumentation for the Spallation Neutron Source and the Linac Coherent Light Source. The control level is at the Basic Energy Sciences level.

Advanced Scientific Computing Research.—The bill provides \$368,820,000 for this program. The control level is at the Advanced Scientific Computing Research level.

Fusion Energy Sciences.—The bill provides \$402,550,000 for this program. Within this amount, \$208,690,000 is provided for Facility Operations with \$36,361,000 for the DIII-D, \$15,977,000 for the Alcator C-Mod, \$29,774,000 for NSTX, no funds for NCSX, and \$124,000,000

for ITER, and \$64,404,000 is provided for Alternative Concept Experimental Research with \$16,690,000 for Experimental Plasma Research and no funds for NCSX. The control level is at the Fusion Energy Sciences level.

Science Laboratories Infrastructure.—The bill provides \$145,380,000 for this program. Within this amount: \$24,844,000 is provided for Excess Facilities Disposal and of this amount the Department is directed to transfer \$10,000,000 from the Office of Science to the Non-Defense Environmental Cleanup account for cleanup efforts at Argonne National Lab; \$52,775,000 is provided for the Physical Sciences Facility at the Pacific Northwest National Laboratory, and the Under Secretary of Science is expected to take the lead in ensuring that contributions from all parties are coordinated and will be sufficient to complete the facility; \$11,759,000 is provided for multiprogram energy laboratories infrastructure projects and \$2,500,000 of this amount is to support improvements to the Scientific and Technical Information Facility.

Safeguards and Security.—The bill provides \$80,603,000 for this program.

Science Workforce Development.—The bill provides \$13,583,000 for this program.

Science Program Direction.—The bill provides \$186,695,000 for this program. Within this amount, \$8,916,000 is provided for the Office of Scientific and Technical Information. No funding is provided to increase the manpower of the Office of Science. The control level is at the Science Program Direction level.

Advanced Research Projects Agency—Energy.—The bill provides \$15,000,000 to establish the Advanced Research Projects Agency—Energy within the Department, as authorized by section 5012 of the America COMPETES Act (P. L. 110-69).

Use of prior year balances.—The Department is directed to use \$15,000,000 in prior year balances to off-set new funding provided for the Office of Science.

Congressionally Directed Projects.—The bill provides \$93,686,593 for congressionally directed projects.

CONGRESSIONALLY DIRECTED SCIENCE PROJECTS

PROJECT

ADVANCED ARTIFICIAL SCIENCE AND ENGINEERING RESEARCH INFRASTRUCTURE (TX)	\$380,600
ALVERNIA COLLEGE SCIENTIFIC INSTRUMENTATION INITIATIVE (PA)	\$570,900
ANTIBODIES RESEARCH (ND)	\$2,616,625
BARRY UNIVERSITY INSTITUTE FOR COLLABORATIVE SCIENCES RESEARCH (FL)	\$761,200
BIONANOTECHNOLOGY: RESEARCH AND COMMERCIALIZATION (LA)	\$1,427,250
BIOTECHNOLOGY/FORENSICS LABORATORY (UT)	\$475,750
BRONX COMMUNITY COLLEGE CENTER FOR SUSTAINABLE ENERGY (NY)	\$475,750
BROWN UNIVERSITY, BROWN ENERGY INITIATIVE (RI)	\$951,500
CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO TWIN TOWER PROJECT (CA)	\$570,900
CENTER FOR ADVANCED SCIENTIFIC COMPUTING AND MODELING (TX)	\$700,304
CENTER FOR CATALYSIS AND SURFACE SCIENCE AT NORTHWESTERN UNIVERSITY (IL)	\$951,500
CENTER FOR DIAGNOSTIC NANOSYSTEMS (WV)	\$1,903,000
CENTER FOR NANOMEDICINE AND CELLULAR DELIVERY, SCHOOL OF PHARMACY (MD)	\$713,625
CENTER OF EXCELLENCE AND HAZARDOUS MATERIALS (NM)	\$1,903,000
CHEMISTRY BUILDING RENOVATION (MI)	\$475,750
CLEMSON UNIVERSITY CYBERINSTITUTE (SC)	\$1,427,250
CLIMATE CHANGE MODELING CAPABILITY (NM)	\$4,757,500
CLINTON JUNIOR COLLEGE SCIENCE PROGRAM (SC)	\$380,600
COLLABORATIVE INITIATIVE IN BIOMEDICAL IMAGING (NC)	\$1,427,250
CONTRAST MEDIA AND WOUND CLOSURE REDUCTION STUDY (MS)	\$618,475
CURRICULUM AND INFRASTRUCTURE ENHANCEMENT IN STEM (PA)	\$475,750
DECISION SUPPORT TOOLS FOR COMPLEX ANALYSIS (DSTCA) (OH)	\$1,427,250
EASTERN KENTUCKY UNIVERSITY EQUIPMENT FOR NEW SCIENCE BUILDING (KY)	\$951,500
FACILITATING BLOOD-BRAIN BARRIER RESEARCH (WA)	\$1,427,250
FORMER WORKERS MEDICAL SURVEILLANCE PROGRAMS (IA)	\$951,500
FUNCTIONAL MRI RESEARCH (VT)	\$1,189,375
FUSION ENERGY SPHEROMAK TURBULENT PLASMA EXPERIMENT (FL)	\$951,500
GEORGE MASON UNIVERSITY -- NATIONAL CENTER FOR BIODEFENSE AND INFECTIOUS DISEASE (VA)	\$1,427,250
HOFSTRA UNIVERSITY CENTER FOR CLIMATE STUDY (NY)	\$475,750
IDAHO ACCELERATOR CENTER PRODUCTION OF MEDICAL ISOTOPES (ID)	\$951,500
IDAHO NATIONAL LABORATORY CENTER FOR ADVANCED ENERGY STUDIES (ID)	\$2,498,639
INSTITUTE FOR INTEGRATED SCIENCES AT BOSTON COLLEGE (MA)	\$2,378,750
INSTRUMENTATION AND CONSTRUCTION COSTS FOR THREE STUDENT INDEPENDENT RESEARCH LABS DEDICATED TO BIOLOGY, CHEMISTRY AND BIOCHEMISTRY, AND PHYSICS AT ALBRIGHT COLLEGE IN READING (PA)	\$380,600
INTERMOUNTAIN CENTER FOR RIVER RESTORATION AND REHABILITATION (UT)	\$570,900
LARGE SCALE APPLICATION OF SINGLE-WALLED CARBON NANOTUBES (OK)	\$951,500
LUTHER COLLEGE SCIENCE BLDG. RENOVATION PROJECT (IA)	\$951,500
MARINE SYSTEMS RESEARCH (MA)	\$475,750
MARYGROVE COLLEGE MATTERS (MI)	\$190,300

CONGRESSIONALLY DIRECTED SCIENCE PROJECTS

PROJECT

MATERIALS AND ENERGY RESEARCH DEVELOPMENT (LA)	\$951,500
MATTER-RADIATION INTERACTIONS IN EXTREMES (NM)	\$6,660,500
MICHIGAN GEOLOGICAL CARBON SEQUESTRATION RESEARCH AND EDUCATION PROGRAM (MI)	\$618,475
MIND INSTITUTE (NM)	\$11,418,000
NATIONAL BIOREPOSITORY-NATIONWIDE CHILDREN'S HOSPITAL (OH)	\$713,625
NEUROSCIENCE RESEARCH (IL)	\$475,750
NEXT GENERATION NEUROIMAGING AT CLEVELAND CLINIC (OH)	\$475,750
NORTH DAKOTA STATE UNIVERSITY COMPUTING CAPABILITY (ND)	\$5,709,000
PIONEER VALLEY LIFE SCIENCES INSTITUTE BIOMEDICAL RESEARCH (MA)	\$475,750
PROFESSIONAL SCIENCE MASTER'S ADVANCED ENERGY AND FUELS MANAGEMENT PROGRAM (IL)	\$428,175
PURDUE CALUMET INLAND WATER INSTITUTE (IN)	\$951,500
RAPID DETECTION OF CONTAMINANTS IN WATER SUPPLIES USING MAGNETIC RESONANCE AND NANOPARTICLES (MA)	\$1,427,250
REGENERATIVE MEDICINE (IL)	\$475,750
RESEARCH INTO PROTON BEAM THERAPY (WA)	\$1,427,250
RNAI RESEARCH, UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL, WORCESTER (MA)	\$951,500
SANDIA NANOTECHNOLOGY ENGINEERING CENTER (NM)	\$4,757,500
SCANNING NEAR-FIELD ULTRASOUND HOLOGRAPHY (SNFUH) INSTRUMENTATION FOR NON-INVASIVE AND NON-DESTRUCTIVE IMAGING OF NANOPARTICLE INTERACTION WITH CELLS (IL)	\$951,500
SCIENCE EDUCATION FACILITY RENOVATIONS, OCU (OH)	\$951,500
SCIENCE, MATH, AND TECHNOLOGY EDUCATION INITIATIVE, COLLEGE OF ST. ELIZABETH (NJ)	\$475,750
SOUTHERN METHODIST UNIVERSITY ADVANCED PARALLEL PROCESSING CENTER (TX)	\$951,500
SPECT IMAGING INSTRUMENTATION RESEARCH INITIATIVE (IL)	\$951,500
ST. THOMAS UNIVERSITY U-CORTE (FL)	\$570,900
SUPERCAPACITORS (NY)	\$1,427,250
SUSTAINABLE BIOFUELS DEVELOPMENT CENTER (CO)	\$1,427,250
THE NATIONAL ENERGY POLICY INSTITUTE, UNIVERSITY OF TULSA (OK)	\$713,625
ULTRA-DENSE PORPHYRIM-BASED CAPACITIVE MOLECULAR MEMORY FOR SUPERCOMPUTING (CO)	\$951,500
UMASS INTEGRATIVE SCIENCE BUILDING (MA)	\$1,903,000
UNIVERSITY OF THE CUMBERLANDS SCIENCE & TECHNOLOGY COMPLEX (KY)	\$951,500
URI CYBERINFRASTRUCTURE (RI)	\$951,500
WHITTIER COLLEGE SCIENCE AND MATHEMATICS INITIATIVE (CA)	\$475,750

NUCLEAR WASTE DISPOSAL

The bill provides \$145,390,000 for Nuclear Waste Disposal program. The control level is at the Nuclear Waste Disposal account level, allowing the Department to move ~~funding~~ between the repository program and program direction subaccounts.

Congressionally Directed Projects.—The bill provides \$1,855,425 for congressionally directed projects.

CONGRESSIONALLY DIRECTED NUCLEAR WASTE DISPOSAL
PROJECTS

PROJECT

COOPERATIVE AGREEMENT BETWEEN THE DEPARTMENT OF ENERGY AND INYO

COUNTY (CA)

\$1,522,400

INYO COUNTY AFFECTED UNIT OF LOCAL GOVERNMENT (CA)

\$333,025

TITLE 17 INNOVATIVE TECHNOLOGY LOAN GUARANTEE PROGRAM

The bill restates loan guarantee authority as provided in the Energy Policy Act of 2005 (EPACT), and makes this authority available indefinitely. The Department is directed to make no authority available in excess of a total of \$47,000,000,000, to be allocated as follows: \$18,500,000,000 of loan guarantees are for nuclear power facilities; \$6,000,000,000 of loan guarantees are for coal based power generation and industrial gasification activities at retrofitted and new facilities that incorporate carbon capture and sequestration or other beneficial uses of carbon; \$2,000,000,000 of loan guarantees are for advanced coal gasification; \$18,500,000,000 of loan guarantees are for renewable and/or energy efficient systems and manufacturing, and distributed energy generation, transmission and distribution; and \$2,000,000,000 are for advanced nuclear facilities for the "front-end" of the nuclear fuel cycle.

Not later than 30 days prior to issuance of a loan guarantee solicitation, the Department is directed to submit a loan guarantee implementation plan defining the award levels and eligible technologies, to the Committees on Appropriations.

While the EPACT assumes the Title XVII loan program to be self-financed, the Congressional Budget Office assumes there is a credit subsidy cost to the government. As such, the bill assumes \$440,000,000 of budget authority to cover the cost of this risk, in addition to \$25,000,000 of advanced authority from the fiscal year 2008 enacted appropriation, for an overall scoring adjustment of \$465,000,000, shown in the Comparative Statement of New Budget Authority (CSBA) in the back of the report.

Reporting Requirement.—The Department is directed to prepare a report to the Committees on Appropriations that describes and explains the justification for the selected risk assumptions used in the development of the credit risk subsidy model, as well as the priority weighting of the criteria. The Department is to provide a description of the economic assumptions used for the energy markets and technologies under consideration. The report is due within 60 days of enactment of this Act.

DEPARTMENTAL ADMINISTRATION (INCLUDING TRANSFER OF FUNDS)

The bill provides a net appropriation of \$155,326,000 for Departmental Administration expenses. This amount includes a transfer of \$108,190,000 from Other Defense Activities for defense-related Departmental Administration activities and the Congressional Budget Office estimate of \$117,317,000 for revenues. Specific funding levels for each organization funded under the Departmental Administration account are detailed in the accompanying table. The amended bill provides representation expenses not to exceed \$30,000.

Chief Financial Officer.—The bill provides \$43,257,000 for the Office of the Chief Financial Officer. The Department is directed to transfer the staff and function of the Office of Cost Analysis from the Chief Financial Officer to Management Administration, to be managed by the Office of Engineering and Construction Management.

Office of Management.—The bill provides \$67,790,000 for the Office of Management, of which \$790,000 is to accommodate the transfer of the Office of Cost Analysis staff.

Office of Indian Energy Policy and Programs.—The bill provides \$1,500,000 to establish an Office of Indian Energy Policy and Programs, as authorized in section 502 of the Energy Policy Act of 2005.

OFFICE OF THE INSPECTOR GENERAL

The bill provides \$51,927,000 for the Office of the Inspector General.

ATOMIC ENERGY DEFENSE ACTIVITIES NATIONAL NUCLEAR SECURITY ADMINISTRATION

The National Nuclear Security Administration (NNSA), a semi-autonomous agency within the Department of Energy, manages the Nation's nuclear weapons programs, nuclear nonproliferation programs, and naval reactors activities.

The bill provides \$9,129,594,000 for the National Nuclear Security Administration. The bill makes funds available until expended.

WEAPONS ACTIVITIES

(INCLUDING TRANSFER OF FUNDS)

The bill provides \$6,380,000,000 for Weapons Activities.

U.S. Nuclear Weapons Strategy for the 21st Century.—In the future, if the Administration chooses to pursue a new warhead design, the Administration must first: 1) develop a 21st Century nuclear deterrent strategy sharply focused on today's and tomorrow's threats, and capable of serving national security needs; 2) determine the size and nature of the nuclear stockpile sufficient to serve that strategy; and 3) determine the size, cost, and nature of the nuclear weapons complex necessary to support the future stockpile and sustain the nuclear laboratories and scientific capabilities.

Reprogramming authority.—The Department is provided limited reprogramming authority within the Weapons Activities account without prior approval from the Committees on Appropriations. The reprogramming control levels shall be as follows: subprograms within Directed Stockpile Work, Life Extension Programs, Stockpile Systems, Warhead Dismantlement, and Stockpile Services. Additional reprogramming control levels shall be as follows: Science Campaigns, Engineering Campaigns, Inertial Confinement Fusion Ignition and High Yield Campaigns, Advanced Simulation and Computing Campaigns, Readiness Campaigns, and Readiness in Technical Base and Facilities (RTBF). The Department is not provided reprogramming authority between site allocations for Readiness in Technical Base and Facilities Operations of Facilities. In addition, funding of not more than \$5,000,000 may be transferred between each of these categories and each construction project, with the exception of the RTBF site allocations, subject to the following limitations: only one transfer may be made to or from any program or project; the transfer must be necessary to address a risk to health, safety or the environment or achieve cost savings; and funds may not be used for an item for which Congress has specifically denied funds or for a new program or project that has not been authorized by Congress.

The Department must notify Congress within 15 days of the use of this reprogramming authority. Transfers during the fiscal year that would result in increases or decreases in excess of \$5,000,000 or that would exceed the limitations outlined in the previous paragraph require prior notification of and approval by the Committees on Appropriations.

The Committees on Appropriations support Los Alamos National Laboratory and Sandia National Laboratories naming laboratory facilities at their respective laboratories.

DIRECTED STOCKPILE WORK

The bill provides \$1,590,152,000 for Directed Stockpile Work.

Life Extension Program.—The bill provides \$205,043,000 for Life Extension Program activities.

Stockpile Systems.—The bill provides \$328,521,000 for Stockpile Systems activities.

Reliable Replacement Warhead (RRW).—The bill provides no funding for the Reliable Replacement Warhead.

Weapons Dismantlement and Disposition.—The bill provides \$190,205,000 for Weapons Dismantlement and Disposition. Within available funds, the bill provides an additional \$22,000,000 toward expanding operations of the AIREX line to ensure there is adequate feedstock available to support MOX operations.

Stockpile Services.—The bill provides \$866,383,000 for Stockpile Services. The budget request for Pit Manufacturing included two elements, Pit Manufacturing at \$145,269,000 and Pit Manufacturing Capability at \$53,560,000. These two functions were not well defined or delineated. In lieu of this request, the bill provides a single \$155,269,000 appropriation for Plutonium Capability.

CAMPAIGNS

The bill provides \$1,619,186,000 for Campaigns. This includes \$2,100,000 for the University Research Program in Robotics.

Science Campaigns.—The bill provides \$316,690,000 for Science Campaigns. This includes \$80,181,000 for Primary Assessment Technologies, which in turn includes \$8,000,000 to support subcritical experiments, fielding and diagnostics of Powder Gun, JASPER gas gun, the Borolo experiment, and the ongoing series of Phoenix experiments.

Engineering Campaign.—The bill provides \$150,000,000 for the Engineering Campaign. The Committees are aware of the advantages of a modern design and strongly support improved surety. Within this Campaign, the bill therefore provides \$46,112,000 for Enhanced Surety, non-RRW.

Inertial Confinement Fusion Ignition and High Yield.—The bill provides \$436,915,000 for the Inertial Confinement Fusion and High Yield Campaign, including \$203,282,000 for Facility Operations and Target Production of which \$13,310,000 above the request is for National Ignition Facility operations and target production, and \$15,000,000 above the request is to support single shift operations on the Z machine and to explore advanced concepts including \$2,000,000 for linear transformer driver concepts.

Advanced Simulation and Computing.—The bill provides \$556,125,000 for Advanced Simulation and Computing, including \$15,000,000 to develop the new Zia Platform. The budget submitted by NNSA has a striking lack of detail regarding the NNSA's computing strategy, acquisition plan, and on what basis computing time will be allocated among the national labs. This raises the concern that the acquisition strategy for new platforms will not fit within the available budget. As computing is an essential tool in stewardship, the NNSA is directed to provide a written report addressing the following issues: 1) identify how computing capability at each of the labs will specifically contribute to stockpile stewardship goals, and on what basis computing time will be allocated to achieve the goal of a balanced program among the labs; 2) explain the NNSA's acquisition strategy for capacity and capability of machines at each of the labs and how it will fit within the existing budget constraints; and 3) identify the technical challenges facing the program and a strategy to resolve them. This report shall have the benefit of independent review, and be submitted to the House and Senate Appropriations Committees within 6 months after enactment of this Act.

Readiness Campaign.—The bill provides \$160,620,000 for the Readiness Campaign.

READINESS IN TECHNICAL BASE AND FACILITIES

The bill provides \$1,674,406,000 for Readiness in Technical Base and Facilities (RTBF). The Secretary of Energy is directed to report to Congress, within 90 days of enactment of this Act, on all Category I Special Nuclear Material at Superblock that can

be readily transferred to the Device Assembly Facility at the Nevada Test Site and/or Pantex for interim storage consistent with mission need. The National Nuclear Security Administration is directed to provide the Appropriations Committees of the House and Senate, within 120 days of enactment of this Act, with a report that contains a schedule and budget for the movement of the material identified for interim storage consistent with mission needs.

Operations of Facilities.—The bill provides \$1,163,331,000 for RTBF Operations of Facilities.

Program Readiness.—The bill provides \$71,626,000 for Program Readiness.

Material Recycling and Recovery.—The bill provides \$70,334,000 for Material Recycling and Recovery.

Containers.—The bill provides \$22,696,000 for Containers.

Storage.—The bill provides \$31,951,000 for Storage. Of the funds provided, not less than \$19,428,000 is made available for Y-12.

Construction.—The bill provides \$314,468,000 for RTBF Construction, including \$19,300,000 for Project 09-D-007, LANSCE Reinvestment Project. Within these funds, the bill provides \$6,100,000 for 08-D-806 Ion Beam Laboratory. NNSA is directed to apply all available operating and construction carryover balances from the MESA project to the Ion Beam Laboratory construction project in order to complete this project. Within these funds, the bill provides \$93,276,170 for Project 06-D-140-05, PED, Uranium Processing Facility.

SECURE TRANSPORTATION ASSET

The bill provides \$214,439,000 for Secure Transportation Asset.

NUCLEAR WEAPONS INCIDENT RESPONSE

The bill provides \$215,278,000 for Nuclear Weapons Incident Response.

FACILITIES AND INFRASTRUCTURE RECAPITALIZATION

The bill provides \$147,449,000 for Facilities and Infrastructure Recapitalization.

ENVIRONMENTAL PROJECTS AND OPERATIONS

The bill provides \$38,596,000 for Environmental Projects and Operations.

SAFEGUARDS AND SECURITY

The bill provides \$856,494,000 for Safeguards and Security. Of the funds provided, \$165,998,000 is made available for Y-12.

Congressionally directed projects.—The bill provides \$22,836,000 for congressionally directed projects.

CONGRESSIONALLY DIRECTED WEAPONS ACTIVITIES PROJECTS

PROJECT

ADVANCED ENGINEERING ENVIRONMENT FOR SANDIA NATIONAL LAB, CA. (MA)	\$1,427,250
ARROWHEAD CENTER (NM)	\$951,500
CENTER FOR COMPUTATIONAL SIMULATION AND VISUALIZATION (IN)	\$4,757,500
CYBER SECURITY - CIMTRAK - IN (IN)	\$951,500
DISTRIBUTED DATA DRIVEN TEST ENVIRONMENT (OH)	\$3,330,250
ELECTRONIC RECORD FOR WORKER SAFETY AND HEALTH (NV)	\$1,427,250
LABORATORY FOR ADVANCED LASER-TARGET INTERACTIONS (OH)	\$2,378,750
MATTER-RADIATION INTERACTIONS IN EXTREMES (MARIE) (NM)	\$951,500
MULTI-DISCIPLINED INTEGRATED COLLABORATIVE ENVIRONMENT (MDICE) (MO)	\$951,500
RENEWABLE ENERGY PLANNING (NV)	\$475,750
RESTORE MANHATTAN PROJECT SITES (NM)	\$475,750
SECURE ADVANCED SUPERCOMPUTING PLATFORM AT NEXTEDGE (OH)	\$3,806,000
TECHNICAL PRODUCT DATA INITIATIVE (OH)	\$951,500

DEFENSE NUCLEAR NONPROLIFERATION

The bill provides \$1,482,350,000 for Defense Nuclear Nonproliferation.

The National Nuclear Security Administration is directed to be prepared to report to the Committees on Appropriations on the progress of the International Fuel Bank, including U.S. expenditures and foreign contributions.

NONPROLIFERATION AND VERIFICATION
RESEARCH AND DEVELOPMENT

The bill provides \$363,792,000 for Nonproliferation and Verification Research and Development. Within these funds, the bill provides: \$30,000,000 to support sustained, multiyear funding for detection research, including investments in simulation and data analysis; \$20,000,000 for improving nuclear forensics and attribution; \$10,000,000 for improving monitoring of very low yield explosions around the world; \$10,000,000 to support

the Integrated University Program; and \$18,460,000 to continue construction of the Physical Science Facility at the Pacific Northwest National Laboratory.

The Department is directed to use not less than \$5,000,000 to competitively fund an integrated suite of research, technology development, and demonstration projects including infrasound, hydroacoustic, and seismic technologies for nuclear explosion monitoring.

Contracts awarded for nuclear detection under this bill are to be awarded on a basis of merit.

NONPROLIFERATION AND INTERNATIONAL
SECURITY

The bill provides \$150,000,000 for Nonproliferation and International Security. Within these funds, not more than \$20,000,000 is to support the Next Generation Safeguards Initiative and \$5,000,000 is for the Integrated University Program Cooperative Grants.

INTERNATIONAL NUCLEAR MATERIALS
PROTECTION AND COOPERATION

The bill provides \$400,000,000 for International Nuclear Materials Protection and Cooperation.

GLOBAL THREAT REDUCTION INITIATIVE

The bill provides \$395,000,000 for the Global Threat Reduction Initiative. Within these funds, the bill provides not less than \$60,000,000 to accelerate the removal of proliferation-sensitive materials from around the world.

FUNDING ADJUSTMENTS

The funding adjustments in Defense Nuclear Nonproliferation include the use of \$11,418,000 of prior year balances.

Congressionally directed projects.—The bill provides \$1,903,000 for congressionally directed projects.

CONGRESSIONALLY DIRECTED DEFENSE NUCLEAR
NONPROLIFERATION PROJECTS

PROJECT

NUCLEAR SECURITY SCIENCE AND POLICY INSTITUTE (TX)

\$1,903,000

NAVAL REACTORS

The bill provides \$828,054,000 for Naval Reactors.

OFFICE OF THE ADMINISTRATOR

The bill provides \$439,190,000 for the Office of the Administrator. Within this funding: \$31,000,000 is available only for the NNSA contribution to the Department of Energy's contribution to minority-serving institutions, to be divided in rough parity between Hispanic Serving Institutions and Historically Black Colleges/Universities (HBCUs), and including \$3,300,000 for the Dr. Samuel P. Massie Chairs of Excellence; \$5,000,000 is available only to support the Educational Advancement HBCU Graduate Program, which shall include a National Conference for Potential Scholars and an endowment. Educational Advancement HBCU Graduate Program funds shall be used for scholarships to HBCU graduates pursuing a graduate program leading to a degree in the sciences within five years of graduation from the HBCU.

The Department is directed to transfer \$10,000,000 from the Office of the Administrator to the Non-Defense Environmental Cleanup account for cleanup efforts at Argonne National Lab.

The Administrator is directed to support the increase in Defense Nuclear Nonproliferation activities with sufficient resources to support federal travel requirements to support expanded nuclear nonproliferation activities.

Congressionally directed projects.—The bill provides \$23,311,750 for ~~congressionally directed projects~~.

CONGRESSIONALLY DIRECTED OFFICE OF THE ADMINISTRATOR (NNSA) PROJECTS

PROJECT

ACE PROGRAM AT MARICOPA COUNTY COMMUNITY COLLEGES (AZ)	\$951,500
CENTRAL STATE UNIVERSITY (OH)	\$1,427,250
EAA HBCU GRADUATE PROGRAM (PA)	\$4,757,500
HISTORICALLY BLACK COLLEGES AND UNIVERSITIES SCIENCE ENHANCEMENT PROGRAM (SC)	\$9,990,750
MARSHALL FUND, MINORITY ENERGY SCIENCE INITIATIVE (NC, NY, TX, MD)	\$2,854,500
MOREHOUSE COLLEGE MINORITY ENERGY SCIENCE RESEARCH AND EDUCATION INITIATIVE (GA)	\$1,903,000
WILBERFORCE UNIVERSITY (OH)	\$1,427,250

ENVIRONMENTAL AND OTHER DEFENSE
ACTIVITIES

DEFENSE ENVIRONMENTAL CLEANUP

(INCLUDING TRANSFER OF FUNDS)

The bill provides \$5,657,250,000 for the Defense Environmental Cleanup program. The Department is directed to fund hazardous waste worker training at \$10,000,000 from within available funds.

Internal reprogramming authority.—In fiscal year 2009, the Department may transfer up to \$5,000,000 between accounts, as noted in the table below, to reduce health or safety risks or to gain cost savings as long as no program or project is increased or decreased by more than \$5,000,000 in total during the fiscal year. This reprogramming authority may not be used to initiate new programs or to change funding for programs specifically denied, limited, or increased by Congress in the Act or explanatory statement. The Committees on Appropriations must be notified within thirty days of the use of this reprogramming authority.

Account Control Points:

Closure Sites
Savannah River site, nuclear material stabilization and disposition
Savannah River site, 2012 accelerations
Savannah River site, 2035 accelerations
Savannah River Tank Farm
Waste Isolation Pilot Plant
Idaho National Laboratory
Oak Ridge Reservation
Hanford site 2012 accelerated completions
Hanford site 2035 accelerated completions
National Nuclear Security Agency Sites

Office of River Protection (ORP) Waste Treatment & Immobilization Plant (WTP)
ORP Tank Farms
ORP WTP Pretreatment facility
ORP WTP High-level waste facility
ORP WTP Low activity waste facility
ORP WTP Analytical laboratory
ORP WTP Balance of facilities
Program Direction
Program Support
Safeguards and Security
Uranium Enrichment D&D Fund contribu-

tion
Technology Development and Deployment
Construction line-items
Closure Sites.—The bill includes \$45,883,000 for Closure Sites environmental cleanup activities.

Hanford Site.—The bill provides \$966,976,000 for the Hanford Site. Within available funds, the Department is directed to fund the Volpentest Hazardous Materials Management and Emergency Response (HAMMER) training and education center, and B-Plant preservation activities.

Idaho National Laboratory.—The bill provides \$475,761,000 for the Idaho National Laboratory cleanup activities.

NNSA Sites.—The bill provides \$320,851,000 for cleanup activities at NNSA sites.

Oak Ridge Reservation.—The bill provides \$262,835,000 for Oak Ridge Reservation, to include \$58,000,000 for Building 3019 cleanup activities.

Office of River Protection.—The bill provides \$1,009,943,000 for the Office of River Protection, to include \$690,000,000 for the Waste Treatment Plant.

Savannah River Site.—Funding under this heading provides \$1,227,143,000 for cleanup activities at the Savannah River Site. The Department is directed to provide within 90 days of enactment of this Act a comprehensive lifecycle cost estimate, for the continuing operations of H-canyon that includes all waste disposal and contingency costs for nuclear material that will be included in the Department's H-canyon processing plans.

Waste Isolation Pilot Plant.—The bill provides \$231,661,000 for the Waste Isolation Pilot Plant.

Program direction.—The bill provides \$309,806,600 for program direction.

Program support.—The bill provides \$33,930,000 for program support.

Safeguards and security.—The bill provides \$260,341,000 for safeguards and security.

Technology development and deployment.—The bill provides \$32,320,000 for the technology development and deployment program.

Federal Contribution to Uranium Enrichment Decontamination and Decommissioning Fund.—The bill provides \$463,000,000 for the Federal contribution to the Uranium Enrichment Decontamination and Decommissioning Fund as authorized in Public Law 102-486.

Use of prior-year balances.—The Department is directed to use \$1,109,000 of prior year balances.

Congressional directed projects.—Funding in the bill provides \$17,908,391 for congressionally directed projects.

CONGRESSIONALLY DIRECTED DEFENSE ENVIRONMENTAL CLEANUP PROJECTS

PROJECT

CHARACTERISTICS AND CLEAN-UP OF US NUCLEAR LEGACY (MS)	\$3,806,000
MIAMISBURG MOUND, OU-1 (OH)	\$4,757,500
TESTING OF POLYMERIC HYDROGELS FOR RADIATION DECONTAMINATION (HI)	\$1,617,550
THE INTERNATIONAL ALTERNATIVE CLEAN-UP TECHNOLOGY AGREEMENT (PA)	\$2,854,500
WATER RESOURCES DATA, MODELING, AND VISUALIZATION CENTER (NV)	\$1,066,841
WIPP RECORDS ARCHIVE (NM)	\$3,806,000

OTHER DEFENSE ACTIVITIES

The bill provides \$1,314,063,000 for Other Defense Activities.

OFFICE OF HEALTH, SAFETY, AND SECURITY

The bill provides \$446,470,925 for the Office of Health, Safety, and Security (HSS), to include an additional \$1,999,075 for the Former Workers Medical Surveillance Program which includes the \$999,075 congressionally directed activity.

Nuclear Safety.—The Government Accountability Office's (GAO) report "Department of Energy Needs to Strengthen its Independent Oversight of Nuclear Facilities and Operations", (GAO 09-61), found that DOE had eliminated its independent nuclear safety oversight presence at nuclear sites, and suspended independent safety basis reviews for new and modified facilities. To correct this,

the Department is directed, in addition to nuclear safety activities carried out by the line organizations and within appropriations provided in this Act, to commence implementation of GAO's recommendations within 60 days of enactment of this Act. The Department shall submit a report to the Committees on Appropriations within 180 days of enactment of this Act detailing the organizational changes, staff assignments, budget and list of actions to implement the five recommendations outlined in the GAO report.

LEGACY MANAGEMENT

The bill provides \$185,981,000 for the Office of Legacy Management.

NUCLEAR ENERGY

The bill provides \$565,819,000 for defense nuclear energy activities including \$78,811,000 to fund defense-related activities at the

Idaho National Laboratory and \$487,008,000 for the Mixed Oxide Fuel Fabrication Facility (MOX) at the Savannah River site. Language is provided directing the Department to manage the MOX facility in adherence to DOE Order 413.3A.

DEFENSE-RELATED ADMINISTRATIVE SUPPORT

The bill includes \$108,190,000 to provide administrative support for programs funded in the atomic energy defense activities account.

OFFICE OF HEARINGS AND APPEALS

The bill provides \$6,603,000 for the Office of Hearings and Appeals.

Congressionally directed projects.—Funding in the bill provides \$999,075 for congressionally directed projects.

CONGRESSIONALLY DIRECTED OTHER DEFENSE ACTIVITIES

PROJECT

MEDICAL MONITORING AT PADUCAH, KY, PORTSMOUTH, OH, AND OAK RIDGE, TN
(KY)

\$999,075

DEFENSE NUCLEAR WASTE DISPOSAL

The bill provides \$143,000,000 for Defense Nuclear Waste Disposal activities.

POWER MARKETING ADMINISTRATIONS

BONNEVILLE POWER ADMINISTRATION FUND

The bill provides no new borrowing authority for the Bonneville Power Administration (BPA) during fiscal year 2009.

OPERATION AND MAINTENANCE, SOUTHEASTERN POWER ADMINISTRATION

The bill provides \$7,420,000 for the Southeastern Power Administration, including \$63,522,000 for purchase power and wheeling and \$49,520,000 for offsetting collections.

OPERATION AND MAINTENANCE,

SOUTHWESTERN POWER ADMINISTRATION

The bill provides \$28,414,000 for the Southwestern Power Administration, including \$46,000,000 for purchase power and wheeling and \$35,000,000 for offsetting collections.

CONSTRUCTION, REHABILITATION, OPERATION AND MAINTENANCE, WESTERN AREA POWER ADMINISTRATION

The bill includes \$218,346,000 for the Western Area Power Administration. The bill provides for a total program level of \$901,634,000 for Western, which includes \$74,544,000 for construction and rehabilitation, \$52,365,000 for system power operation and maintenance, \$600,960,000 for purchase power and wheeling, \$166,423,000 for program direction and \$7,342,000 for the Utah Mitigation and Conservation Fund.

Offsetting collections total \$406,484,000, including the use of \$3,366,000 of offsetting collections from the Colorado River Dam Fund (as authorized in Public Law 98–381).

FALCON AND AMISTAD OPERATING AND MAINTENANCE FUND

The bill includes \$2,959,000 for the Falcon and Amistad Operating and Maintenance Fund.

FEDERAL ENERGY REGULATORY COMMISSION

SALARIES AND EXPENSES

The bill includes \$273,400,000 for the Federal Energy Regulatory Commission (FERC). Revenues for FERC are set at an amount equal to the budget authority, resulting in a net appropriation of \$0.

TITLE III—GENERAL PROVISIONS

The bill includes language regarding competition of major Department of Energy contracts.

The bill includes language which prohibits the use of funds in this Act to initiate a request for proposal of expression of interest for new programs which have not yet been funded by Congress.

The bill includes language which prohibits the use of funds to augment severance payments and other benefits and community assistance grants unless a reprogramming is submitted to the appropriate congressional committees. The language also prohibits enhanced severance payments and workforce restructuring.

The bill includes language which permits the transfer and merger of unexpended balances of prior appropriations with appropriation accounts established in this bill.

The bill includes language that conditions the use of funds by the Bonneville Power Administration to enter into energy efficiency contracts outside its service area.

The bill includes language that establishes certain notice and competition requirements for Department of Energy user facilities.

The bill includes language specifically authorizing intelligence activities pending enactment of the fiscal year 2009 Intelligence Authorization Act.

The bill includes language regarding laboratory directed research and development activities.

The bill includes language prohibiting the use of funds for the Reliable Replacement Warhead.

The bill includes a provision related to general plant projects.

The bill includes language directing the Secretary of Energy to provide a report inventorying the energy development potential on all lands currently managed by the Department of Energy.

The bill includes a provision related to the Reno Hydrogen Fuel Project.

The bill includes a provision related to the Integrated University Program.

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2008 Enacted	FY 2009 Request	This Bill	This Bill vs. Enacted	This Bill vs. Request
ENERGY EFFICIENCY AND RENEWABLE ENERGY					
Energy Efficiency and Renewable Energy RDD&D					
Hydrogen Technology.....	211,062	146,213	168,960	-42,102	+22,747
Biomass and Biorefinery Systems R&D.....	198,180	225,000	217,000	+18,820	-8,000
Solar energy.....	168,453	156,120	175,000	+6,547	+18,880
Wind energy.....	49,545	52,500	55,000	+5,455	+2,500
Geothermal technology.....	19,818	30,000	44,000	+24,182	+14,000
Water Power Energy.....	9,909	3,000	40,000	+30,091	+37,000
Vehicle technologies.....	213,043	221,086	273,238	+60,195	+52,152
Building technologies.....	108,999	123,765	140,000	+31,001	+16,235
Industrial technologies.....	64,408	62,119	90,000	+25,592	+27,881
Federal energy management program.....	19,818	22,000	22,000	+2,182	---
Facilities and infrastructure:					
National Renewable Energy Laboratory (NREL).....	6,918	9,982	22,000	+15,082	+12,018
NREL Solar equipment recapitalization.....	7,927	---	---	-7,927	---
Construction:					
08-EE-02 South-table mountain site infrastructure development, National Renewable Energy Laboratory, Golden, Co.....	6,831	---	13,000	+6,169	+13,000
08-EE-01 Energy systems integration facility, National Renewal Energy Laboratory, Golden, Co.	54,500	4,000	41,000	-13,500	+37,000
Subtotal, Construction.....	61,331	4,000	54,000	-7,331	+50,000
Subtotal, Facilities and infrastructure.....	76,176	13,982	76,000	-176	+62,018
Program direction.....	104,057	121,846	127,620	+23,563	+5,774
Program support.....	10,801	20,000	18,157	+7,356	-1,843
Subtotal, Energy Efficiency and Renewable Energy RDD&D.....	1,254,269	1,197,631	1,446,975	+192,706	+249,344
Federal energy assistance:					
Weatherization:					
Weatherization assistance.....	222,713	---	---	-222,713	---
Training and technical assistance.....	4,509	---	---	-4,509	---
Weatherization and technical assistance.....	---	---	200,000	+200,000	+200,000
Subtotal, Weatherization.....	227,222	---	200,000	-27,222	+200,000
Other:					
State energy program.....	44,095	50,000	50,000	+5,905	---
International renewable energy program.....	---	---	5,000	+5,000	+5,000
Tribal energy activities.....	5,945	1,000	6,000	+55	+5,000
Renewable energy production incentive.....	4,955	---	5,000	+45	+5,000
Asia pacific.....	---	7,500	---	---	-7,500
Subtotal, Other.....	54,995	58,500	66,000	+11,005	+7,500
Subtotal, Federal energy assistance.....	282,217	58,500	266,000	-16,217	+207,500
Use of prior year balances.....	---	-738	-13,238	-13,238	-12,500
Congressionally directed projects.....	185,921	---	228,803	+42,882	+228,803
TOTAL, ENERGY EFFICIENCY AND RENEWABLE ENERGY.....	1,722,407	1,255,393	1,928,540	+206,133	+673,147
ELECTRICITY DELIVERY AND ENERGY RELIABILITY					
Research and development:					
High temperature superconductivity R&D.....	27,930	28,186	23,796	-4,134	-4,390
Visualization and controls.....	25,075	25,305	24,373	-702	-932
Energy storage and power electronics.....	6,741	13,403	6,552	-189	-6,851
Renewable and distributed systems integration.....	25,466	33,306	30,000	+4,534	-3,306
Subtotal, Research and development.....	85,212	100,200	84,721	-491	-15,479
Operations and analysis.....	11,451	14,122	11,451	---	-2,671
Program direction.....	17,603	19,678	21,180	+3,577	+1,502
Congressionally directed projects.....	24,290	---	19,648	-4,642	+19,648
TOTAL, ELECTRICITY DELIVERY AND ENERGY RELIABILITY.....	138,556	134,000	137,000	-1,556	+3,000

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2008 Enacted	FY 2009 Request	This Bill	This Bill vs. Enacted	This Bill vs. Request
NUCLEAR ENERGY					
Research and development:					
Integrated university program.....	---	---	5,000	+5,000	+5,000
Nuclear power 2010.....	133,771	241,600	177,500	+43,729	-64,100
Generation IV nuclear energy systems initiative.....	114,917	70,000	180,000	+65,083	+110,000
Nuclear hydrogen initiative.....	9,909	16,600	7,500	-2,409	-9,100
Advanced fuel cycle initiative.....	---	---	145,000	+145,000	+145,000
Subtotal, Research and development.....	258,597	328,200	515,000	+256,403	+186,800
Fuel Cycle Research and Facilities:					
Advanced fuel cycle initiative.....	179,353	301,500	---	-179,353	-301,500
MOX fuel fabrication facilities					
MOX other project costs.....	47,068	---	---	-47,068	---
99-D-143 Mixed oxide fuel fabrication facility, Savannah River, SC.....	231,721	---	---	-231,721	---
Subtotal, Fuel Cycle Research and Facilities....	458,142	301,500	---	-458,142	-301,500
Infrastructure:					
Radiological facilities management:					
Space and defense infrastructure.....	30,371	35,000	35,000	+4,629	---
Medical isotopes infrastructure.....	14,828	---	---	-14,828	---
Research reactor infrastructure.....	2,920	3,700	6,146	+3,226	+2,448
Oak Ridge nuclear infrastructure.....	---	---	12,500	+12,500	+12,500
Los Alamos nuclear infrastructure.....	---	---	12,500	+12,500	+12,500
Subtotal, Radiological facilities management..	48,119	38,700	66,146	+18,027	+27,446
INL infrastructure:					
INL Operations and infrastructure.....	115,935	104,700	140,000	+24,065	+35,300
Idaho sitewide safeguards and security.....	75,261	78,811	78,811	+3,550	---
Subtotal, INL Infrastructure.....	239,315	222,211	284,957	+45,642	+62,746
Program direction.....	80,872	80,544	73,000	-7,872	-7,544
Use of prior year balances.....	---	---	-5,000	-5,000	-5,000
Subtotal, Nuclear Energy.....	1,038,926	932,455	867,957	-168,969	-64,498
Funding from other defense activities.....	-75,261	-78,811	-78,811	-3,550	---
Congressional directed projects.....	---	---	2,854	+2,854	+2,854
TOTAL, NUCLEAR ENERGY.....	961,665	853,644	792,000	-169,665	-61,644
OFFICE OF LEGACY MANAGEMENT					
Legacy management.....	33,872	---	---	-33,872	---
CLEAN COAL TECHNOLOGY					
Deferral of unobligated balances, FY 2008.....	257,000	---	---	-257,000	---
Deferral of unobligated balances, FY 2009.....	-149,000	149,000	149,000	+298,000	---
Transfer to Fossil Energy R&D (CCPI).....	-69,363	---	-149,000	-79,637	-149,000
Transfer to Fossil Energy R&D (CCDI).....	---	---	---	---	---
Transfer to Fossil Energy R&D (FutureGen).....	-74,317	-149,000	---	+74,317	+149,000
Transfer to Fossil Energy R&D(Fuels & Power Systems)	-20,809	---	---	+20,809	---
TOTAL, CLEAN COAL TECHNOLOGY.....	-56,489	---	---	+56,489	---
FOSSIL ENERGY RESEARCH AND DEVELOPMENT					
Clean coal power initiative.....	69,363	85,000	288,174	+218,811	+203,174
FutureGen.....	74,317	158,000	---	-74,317	-158,000
Fuels and Power Systems:					
Innovations for existing plants.....	36,081	40,000	50,000	+13,919	+10,000
Advanced integrated gasification combined cycle....	53,509	69,000	65,236	+11,727	-3,764
Advanced turbines.....	23,782	28,000	28,000	+4,218	---
Carbon sequestration.....	118,908	149,132	150,000	+31,092	+868
Fuels.....	24,773	10,000	25,000	+227	+15,000
Fuel cells.....	55,490	60,000	58,000	+2,510	-2,000
Advanced research.....	37,159	26,600	28,000	-9,159	+1,400
Subtotal, Fuels and power systems.....	349,702	382,732	404,236	+54,534	+21,504
Subtotal, Coal.....	493,382	623,732	692,410	+199,028	+68,678

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2008 Enacted	FY 2009 Request	This Bill	This Bill vs. Enacted	This Bill vs. Request
Natural Gas Technologies.....	19,818	---	20,000	+182	+20,000
Petroleum - Oil Technologies.....	4,954	---	5,000	+46	+5,000
Program direction.....	148,597	126,252	152,000	+3,403	+25,748
Plant and Capital Equipment.....	12,882	5,000	18,000	+5,118	+13,000
Fossil energy environmental restoration.....	9,483	9,700	9,700	+217	---
Special recruitment programs.....	650	656	656	+6	---
Cooperative research and development.....	4,954	---	5,000	+46	+5,000
Congressionally directed projects.....	48,118	---	43,864	-4,254	+43,864
Use of prior year balances.....	---	-11,310	-70,310	-70,310	-59,000
TOTAL, FOSSIL ENERGY RESEARCH AND DEVELOPMENT....	742,838	754,030	876,320	+133,482	+122,290
NAVAL PETROLEUM AND OIL SHALE RESERVES.....	20,272	19,099	19,099	-1,173	---
STRATEGIC PETROLEUM RESERVE.....	186,757	346,923	205,000	+18,243	-141,923
Use of prior year balances.....	---	-2,923	---	---	+2,923
TOTAL, STRATEGIC PETROLEUM RESERVE.....	186,757	344,000	205,000	+18,243	-139,000
NORTHEAST HOME HEATING OIL RESERVE.....	12,335	9,800	9,800	-2,535	---
ENERGY INFORMATION ADMINISTRATION.....	95,460	110,595	110,595	+15,135	---
NON-DEFENSE ENVIRONMENTAL CLEANUP					
West Valley Demonstration Project.....	53,900	57,600	65,500	+11,600	+7,900
Fast Flux Test Reactor Facility (WA).....	10,248	10,755	10,755	+507	---
Gaseous Diffusion Plants.....	37,773	81,296	---	-37,773	-81,296
Operating expenses.....	---	---	48,296	+48,296	+48,296
02-U-101, Depleted uranium hexafluoride conversion facility.....	---	---	33,000	+33,000	+33,000
Total, Gaseous Diffusion Plants.....	37,773	81,296	81,296	+43,523	---
Small Sites:					
Argonne National Lab.....	433	459	9,479	+9,046	+9,020
Transfer from Science.....	---	---	10,000	+10,000	+10,000
Transfer from NNSA.....	---	---	10,000	+10,000	+10,000
Subtotal, Argonne National Lab.....	433	459	29,479	+29,046	+29,020
Brookhaven National Lab.....	28,438	8,433	8,433	-20,005	---
Idaho National Lab.....	5,351	4,400	13,478	+8,127	+9,078
Consolidated Business Center:					
California Site support.....	158	187	187	+29	---
Inhalation Toxicology Lab.....	423	---	---	-423	---
Stanford Linear Accelerator Center.....	5,846	4,883	4,883	-963	---
Energy Technology Engineering Center.....	12,882	12,533	15,000	+2,118	+2,467
Los Alamos National Lab.....	1,888	1,905	1,905	+17	---
Moab.....	23,734	30,513	40,699	+16,965	+10,186
Tuba City.....	---	---	5,000	+5,000	+5,000
Completed sites administration and support.....	1,189	1,100	1,100	-89	---
Subtotal, Consolidated Business Center.....	46,120	51,121	68,774	+22,654	+17,653
Funding from Science, NNSA.....	---	---	-20,000	-20,000	-20,000
Subtotal, Small Sites.....	80,342	64,413	100,164	+19,822	+35,751
Use of Prior year balances.....	---	-653	-653	-653	---
Congressionally directed projects.....	---	---	4,757	+4,757	+4,757
TOTAL, NON-DEFENSE ENVIRONMENTAL CLEANUP.....	182,263	213,411	261,819	+79,556	+48,408
URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND					
Decontamination and decommissioning.....	602,344	480,333	525,503	-76,841	+45,170
Uranium/thorium reimbursement.....	19,818	---	10,000	-9,818	+10,000
TOTAL, UED&D FUND/URANIUM INVENTORY CLEANUP.....	622,162	480,333	535,503	-86,659	+55,170
SCIENCE					
High energy physics:					
Proton accelerator-based physics.....	373,274	419,577	410,343	+37,069	-9,234
Electron accelerator-based physics.....	78,046	48,772	48,772	-29,274	---
Non-accelerator physics.....	61,238	86,482	86,482	+25,244	---
Theoretical physics.....	56,391	63,036	63,036	+6,645	---
Advanced technology R&D.....	119,368	187,093	187,093	+67,725	---

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2008 Enacted	FY 2009 Request	This Bill	This Bill vs. Enacted	This Bill vs. Request
Total, High energy physics.....	688,317	804,980	795,726	+107,409	-9,234
Nuclear physics.....	415,187	479,019	481,019	+65,832	+2,000
Construction					
07-SC-02 Electron beam ion source Brookhaven National Laboratory, NY.....	4,162	2,438	2,438	-1,724	---
06-SC-01 Project engineering and design (PED) 12 GeV continuous electron beam accelerator facility upgrade, Thomas Jefferson National Accelerator facility (was project 07-SC-001), Newport News, VA.....	13,377	28,623	28,623	+15,246	---
Total, Nuclear physics.....	432,726	510,080	512,080	+79,354	+2,000
Biological and environmental research:					
Biological research.....	407,530	413,613	423,613	+16,083	+10,000
Climate change research.....	136,867	154,927	177,927	+41,060	+23,000
Total, Biological and environmental research....	544,397	568,540	601,540	+57,143	+33,000
Basic energy sciences:					
Research:					
Materials sciences and engineering research.....	946,403	1,125,579	1,129,391	+182,988	+3,812
Chemical sciences, geosciences and energy biosciences.....	230,234	297,113	297,113	+66,879	---
Subtotal, Research.....	1,176,637	1,422,692	1,426,504	+249,867	+3,812
Construction:					
08-SC-01 Advanced light source (ALS) user support building, LBNL, CA.....	4,954	11,500	11,500	+6,546	---
08-SC-10 Project engineering and design (PED) Photon ultrafast laser science and engineering (PULSE) building renovation, SLAC, CA.....	941	---	---	-941	---
08-SC-11 Photon ultrafast laser science and engineering (PULSE) building renovation, SLAC, CA.....	6,391	3,728	3,728	-2,663	---
07-SC-06 Project engineering and design (PED) National Synchrotron light source II (NSLS-II)...	29,727	93,273	93,273	+63,546	---
05-R-320 LINAC coherent light source (LCLS).....	50,889	36,967	36,967	-13,922	---
05-R-321 Center for functional nanomaterials (BNL)	363	---	---	-363	---
Subtotal, Construction.....	93,265	145,468	145,468	+52,203	---
Total, Basic energy sciences.....	1,269,902	1,568,160	1,571,972	+302,070	+3,812
Advanced scientific computing research.....	351,173	368,820	368,820	+17,647	---
Fusion energy sciences program.....	286,548	493,050	402,550	+116,002	-90,500
Science laboratories infrastructure:					
Laboratories facilities support:					
Infrastructure support:					
Payment in lieu of taxes.....	1,506	1,385	1,385	-121	---
Excess facilities disposal.....	8,748	14,844	24,844	+16,096	+10,000
Oak Ridge landlord.....	5,033	5,079	5,079	+46	---
Subtotal, Infrastructure support.....	15,287	21,308	31,308	+16,021	+10,000
Construction:					
09-SC-72 Seismic life-safety, modernization and replacement of general purpose buildings Phase 2, PED/Construction, LBNL.....	---	12,495	12,495	+12,495	---
09-SC-73, Interdisciplinary science building Phase 1, PED, BNL.....	---	8,240	8,240	+8,240	---
09-SC-74, Technology and engineering development facilities PED, TJNAF.....	---	3,700	3,700	+3,700	---
08-SC-71 Modernization of laboratory facilities PED, ORNL.....	---	14,103	25,103	+25,103	+11,000
07-SC-05 Physical science facilities, PNNL.....	---	41,155	52,775	+52,775	+11,620
03-SC-001 Science laboratories infrastructure MEL-001 Multiprogram energy laboratory infrastructure projects, various locations....	49,574	9,259	11,759	-37,815	+2,500
Subtotal, Construction.....	49,574	88,652	114,072	+64,498	+25,120

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2008 Enacted	FY 2009 Request	This Bill	This Bill vs. Enacted	This Bill vs. Request
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Total, Science laboratories infrastructure.....	64,861	110,260	145,380	+80,519	+35,120
Safeguards and security.....	75,946	80,603	80,603	+4,657	---
Science program direction:					
Headquarters.....	75,525	82,846	75,525	---	-7,321
Office of Science and Technical Information.....	---	8,916	8,916	+8,916	---
Field offices.....	102,254	112,151	102,254	---	-9,897
Total, Science program direction.....	177,779	203,913	186,695	+8,916	-17,218
Workforce development for teachers and scientists.....	8,044	13,583	13,583	+5,539	---
Advanced Research Projects Agency - Energy (ARPA-E)....	---	---	15,000	+15,000	+15,000
Congressionally directed projects.....	123,623	---	93,687	-29,936	+93,687
Subtotal, SCIENCE.....	4,023,316	4,721,969	4,787,636	+764,320	+65,667
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Use of prior year balances.....	---	---	-15,000	-15,000	-15,000
Less security charge for reimbursable work.....	-5,605	---	---	+5,605	---
TOTAL, SCIENCE.....	4,017,711	4,721,969	4,772,636	+754,925	+50,667
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NUCLEAR WASTE DISPOSAL					
Repository program.....	117,906	172,388	68,552	-49,354	-103,836
Program direction.....	69,363	74,963	74,963	+5,600	---
Congressionally directed projects.....	---	---	1,855	+1,855	+1,855
TOTAL, NUCLEAR WASTE DISPOSAL.....	187,269	247,371	145,380	-41,879	-101,981
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TITLE 17 - INNOVATIVE TECHNOLOGY GUARANTEE PROGRAM					
Administrative operations.....	5,459	19,880	19,880	+14,421	---
Offsetting collection.....	-1,000	-19,880	-19,880	-18,880	---
Advance appropriation (P. L. 110-161).....	42,000	25,000	25,000	-17,000	---
Proposed change in subsidy cost.....	---	355,000	440,000	+440,000	+85,000
TOTAL, TITLE 17 - INNOVATIVE TECHNOLOGY GUARANTEE PROGRAM.....	46,459	380,000	465,000	+418,541	+85,000
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DEPARTMENTAL ADMINISTRATION					
Administrative operations:					
Salaries and expenses					
Office of the Secretary.....	5,751	5,700	5,700	-51	---
Chief Financial Officer.....	41,998	45,048	43,257	+1,259	-1,791
Management.....	65,033	67,000	67,790	+2,757	+790
Human capital management.....	27,986	31,436	31,436	+3,450	---
Chief Information Officer.....	47,106	53,738	53,738	+6,632	---
Congressional and intergovernmental affairs.....	4,733	4,700	4,700	-33	---
Economic impact and diversity.....	5,614	3,545	3,545	-2,069	---
General Counsel.....	29,889	31,233	31,233	+1,344	---
Policy and international affairs.....	18,831	19,469	19,469	+638	---
Public affairs.....	3,339	3,780	3,780	+441	---
Office of Indian Energy Policy and Programs.....	---	---	1,500	+1,500	+1,500
Subtotal, Salaries and expenses.....	250,280	265,649	266,148	+15,868	+499
Program support:					
Minority economic impact.....	829	855	855	+26	---
Policy analysis and system studies.....	621	1,000	1,000	+379	---
Environmental policy studies.....	528	531	531	+3	---
Climate change technology program (prog. supp)....	1,059	2,000	2,000	+941	---
Cybersecurity and secure communications.....	34,885	34,512	34,512	-373	---
Corporate management information program.....	28,164	27,250	27,250	-914	---
Competitive sourcing initiative (A-76).....	---	---	---	---	---
Total, Administrative operations.....	316,346	331,797	332,296	+15,950	+499
Cost of work for others.....	91,420	48,537	48,537	-42,883	---
Subtotal, DEPARTMENTAL ADMINISTRATION.....	407,766	380,334	380,833	-26,933	+499
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Funding from other defense activities.....	-98,104	-108,190	-108,190	-10,086	---
Total, Departmental administration (gross).....	309,662	272,144	272,643	-37,019	+499
Miscellaneous revenues.....	-161,247	-117,317	-117,317	+43,930	---
TOTAL, DEPARTMENTAL ADMINISTRATION (net).....	148,415	154,827	155,326	+6,911	+499
OFFICE OF INSPECTOR GENERAL.....	46,057	51,927	51,927	+5,870	---
ATOMIC ENERGY DEFENSE ACTIVITIES					
NATIONAL NUCLEAR SECURITY ADMINISTRATION					
WEAPONS ACTIVITIES:					
Life extension program:					
B61 Life extension program.....	61,908	2,189	2,123	-59,785	-66
W76 Life extension program.....	172,213	209,196	202,920	+30,707	-6,276
Total, Life extension program.....	234,121	211,385	205,043	-29,078	-6,342
Stockpile systems:					
B61 Stockpile systems.....	73,655	80,434	78,021	+4,366	-2,413
W62 Stockpile systems.....	2,112	1,845	1,596	-516	-49
W76 Stockpile systems.....	67,914	68,418	66,365	-1,549	-2,053
W78 Stockpile systems.....	38,245	43,349	42,049	+3,804	-1,300
W80 Stockpile systems.....	31,753	32,034	31,073	-680	-961
B83 Stockpile systems.....	24,534	25,759	24,986	+452	-773
W87 Stockpile systems.....	58,054	37,189	36,073	-19,981	-1,116
W88 Stockpile systems.....	45,820	49,854	48,358	+2,538	-1,496
Total, Stockpile systems.....	340,087	338,682	328,521	-11,566	-10,161
Reliable replacement warhead.....	---	10,000	---	---	-10,000
Weapons dismantlement and disposition:					
Operations and maintenance.....	134,675	116,822	125,322	-9,353	+8,500
Construction:					
99-D-141 Pit disassembly and conversion facility, SRS.....	---	66,890	64,883	+64,883	-2,007
Total, Weapons dismantlement and disposition....	134,675	183,712	190,205	+55,530	+6,493
Stockpile services:					
Production support.....	279,529	302,126	293,062	+13,533	-9,064
Research and development support.....	32,691	36,231	35,144	+2,453	-1,087
Research and development certification and safety.	178,504	193,375	187,574	+9,070	-5,801
Management, technology, and production.....	201,645	201,375	195,334	-6,311	-6,041
Pit manufacturing.....	---	145,269	---	---	-145,269
Pit manufacturing capability.....	---	53,560	---	---	-53,560
Plutonium capability.....	---	---	155,269	+155,269	+155,269
Subtotal, Stockpile services.....	692,369	931,936	866,383	+174,014	-65,553
Total, Directed stockpile work.....	1,401,252	1,675,715	1,590,152	+188,900	-85,563
Campaigns:					
Science campaign:					
Advanced certification, non-RRW.....	14,866	20,000	19,400	+4,534	-600
Primary assessment technologies.....	62,312	74,413	80,181	+17,869	+5,768
Dynamic plutonium experiments.....	---	23,734	23,022	+23,022	-712
Dynamic materials properties.....	96,140	85,805	83,231	-12,909	-2,574
Advanced radiography.....	30,402	29,418	28,535	-1,867	-863
Secondary assessment technologies.....	78,999	79,292	76,913	-2,086	-2,379
Test readiness.....	4,905	10,408	5,408	+503	-5,000
Subtotal, Science campaigns.....	287,624	323,070	316,690	+29,066	-6,380
Engineering campaign:					
Enhanced surety, non-RRW.....	34,137	35,641	46,112	+11,975	+10,471
Weapons system engineering assessment technology	19,314	17,105	16,592	-2,722	-513
Nuclear survivability.....	8,644	21,753	21,100	+12,456	-653
Enhanced surveillance.....	79,073	68,243	66,196	-12,877	-2,047
Microsystem and engineering science applications (MESA), other project costs.....	7,485	---	---	-7,485	---
Construction:					
08-D-806 Ion beam laboratory refurbishment, SNL, Albuquerque, NM.....	9,911	---	---	-9,911	---

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01-D-108 Microsystem and engineering science applications (MESA), SNL, Albuquerque, NM...	10,984	---	---	-10,984	---
Subtotal, MESA.....	28,380	---	---	-28,380	---
Subtotal, Engineering campaign.....	189,548	142,742	150,000	-19,548	+7,258
Inertial confinement fusion ignition and high yield campaign:					
Ignition.....	103,029	103,644	100,535	-2,494	-3,109
NIF diagnostics, cryogenics and experimental support.....	68,107	68,248	66,201	-1,906	-2,047
Pulsed power inertial confinement fusion.....	10,241	8,920	8,652	-1,589	-268
Joint program in high energy density laboratory plasmas.....	3,152	3,147	3,053	-99	-94
Facility operations and target production.....	112,012	180,384	203,282	+91,270	+22,898
Inertial fusion technology.....	29,426	---	---	-29,426	---
Naval Research Laboratory.....	---	---	---	---	---
NIF assembly and installation.....	134,294	56,899	55,192	-79,102	-1,707
Subtotal.....	460,261	421,242	436,915	-23,346	+15,673
Construction:					
96-D-111 National ignition facility, LLNL.....	9,945	---	---	-9,945	---
Subtotal, Inertial confinement fusion.....	470,206	421,242	436,915	-33,291	+15,673
Advanced simulation and computing.....	574,537	561,742	556,125	-18,412	-5,617
Pit manufacturing and certification:					
Pit manufacturing.....	137,323	---	---	-137,323	---
Pit certification.....	37,273	---	---	-37,273	---
Pit manufacturing capability.....	39,235	---	---	-39,235	---
Subtotal, Pit manufacturing and certification	213,831	---	---	-213,831	---
Readiness campaign:					
Stockpile readiness.....	18,562	28,731	27,860	+9,307	-862
High explosives and weapon operations.....	9,647	8,927	8,659	-988	-268
Nonnuclear readiness.....	25,103	40,165	30,000	+4,897	-10,165
Tritium readiness.....	71,831	82,265	71,831	---	-10,434
Advanced design and production technologies.....	32,945	22,949	22,261	-10,684	-688
Subtotal, Readiness campaign.....	158,088	183,037	160,620	+2,532	-22,417
Total, Campaigns.....	1,873,834	1,631,833	1,620,350	-253,484	-11,483
Readiness in technical base and facilities (RTBF):					
Operations of facilities:					
Kansas City Plant.....	84,702	122,389	89,871	+5,169	-32,518
Lawrence Livermore National Laboratory.....	89,303	85,160	82,605	-6,698	-2,555
Los Alamos National Laboratory.....	285,025	298,112	289,189	+4,144	-8,943
Nevada Test Site.....	64,863	92,203	92,203	+27,340	---
Pentex.....	112,813	104,361	101,230	-11,583	-3,131
Sandia national Laboratory.....	153,873	127,827	123,992	-29,881	-3,835
Savannah River Site.....	85,738	108,114	92,762	+7,024	-15,352
Y-12 Productions Plant.....	224,190	216,904	235,397	+11,207	+18,493
Institutional Site Support.....	53,948	57,837	56,102	+2,154	-1,735
Subtotal, operations of facilities.....	1,154,455	1,212,907	1,163,331	+8,876	-49,576
Program readiness.....	70,099	73,841	71,626	+1,527	-2,215
Material recycle and recovery.....	71,567	72,509	70,334	-1,233	-2,175
Containers.....	21,760	23,398	22,696	+936	-702
Storage.....	34,462	29,846	31,951	-2,511	+2,105
Subtotal, RTBF.....	1,352,343	1,412,501	1,359,938	+7,595	-52,563
Construction:					
09-D-007, LANSCE Reinvestment PED Los Alamos National Lab, Los Alamos, NM.....	---	---	19,300	+19,300	+19,300
09-D-404, Test capabilities revitalization II, Sandia National Laboratories, Albuquerque, NM.....	---	3,200	3,104	+3,104	-96
08-D-801 High pressure fire loop (HPFL) Pentex Plant, Amarillo, TX.....	6,866	2,000	1,940	-4,926	-60
08-D-802 High explosive pressing facility Pentex Plant, Amarillo, TX.....	15,008	28,233	27,386	+12,378	-847
08-D-804 TA-55 Reinvestment project, Los Alamos National Laboratory (LANL).....	5,885	7,900	7,663	+1,778	-237

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08-D-806 Ion beam laboratory refurbishment, SNL Albuquerque, NM.....	---	10,014	6,100	+6,100	-3,914
07-D-140 Project engineering and design (PED), various locations.....	2,452	7,446	7,223	+4,771	-223
07-D-220 Radioactive liquid waste treatment facility upgrade project, LANL.....	26,162	19,660	19,070	-7,092	-590
06-D-140 Project engineering and design (PED), various locations.....	41,552	104,661	101,521	+59,969	-3,140
06-D-402 NTS replace fire stations 1 & 2 Nevada Test Site, NV.....	6,591	9,340	9,060	+2,469	-280
05-D-140 Project engineering and design (PED), various locations.....	1,961	---	---	-1,961	---
05-D-402 Beryllium capability (BEC) project, Y-12 National security complex, Oak Ridge, TN.....	---	5,015	4,865	+4,865	-150
04-D-125 Chemistry and metallurgy facility replacement project, Los Alamos National Laboratory, Los Alamos, NM.....	74,141	100,200	97,194	+23,053	-3,006
04-D-128 TA-18 mission relocation project, Los Alamos Laboratory, Los Alamos, NM.....	28,892	10,353	10,042	-18,850	-311
01-D-124 HEU materials facility, Y-12 plant, Oak Ridge, TN.....	75,528	---	---	-75,528	---
Subtotal, Construction.....	285,038	308,022	314,468	+29,430	+6,446
Total, Readiness in technical base and facilities.....	1,637,381	1,720,523	1,674,406	+37,025	-46,117
Secure transportation asset: Operations and equipment.....	128,343	131,651	127,701	-642	-3,950
Program direction.....	83,180	89,421	88,738	+3,558	-2,683
Subtotal, Secure transportation asset.....	211,523	221,072	214,439	+2,918	-6,633
Nuclear weapons incident response.....	158,655	221,936	215,276	+56,623	-6,658
Facilities and infrastructure recapitalization pgm: Construction	118,471	99,550	79,550	-38,921	-20,000
08-D-601 Mercury highway, Nevada Test Site, NV..	7,651	11,700	11,349	+3,698	-351
08-D-602 Portable water system upgrades Y-12 Plant, Oak Ridge, TN.....	22,070	27,866	26,836	+4,768	-830
07-D-253 TA 1 heating systems modernization (HSM) Sandia National Laboratory.....	12,751	15,755	15,282	+2,531	-473
06-D-601 Electrical distribution system upgrade, Pantex Plant, Amarillo, TX.....	2,452	4,000	3,880	+1,428	-120
06-D-602 Gas main and distribution system upgrade, Pantex Plant, Amarillo, TX.....	1,863	---	---	-1,863	---
06-D-603 Steam plant life extension project (SLEP), Y-12 National Security Complex, Oak Ridge, TN.....	14,733	10,878	10,552	-4,181	-326
Subtotal, Construction.....	61,520	69,999	67,899	+6,379	-2,100
Total, Facilities and infrastructure recapitalization program.....	179,991	169,549	147,449	-32,542	-22,100
Environmental projects and operations: Long term stewardship.....	8,592	40,587	38,596	+30,004	-1,991
Transformation disposition.....	---	77,391	---	---	-77,391
Safeguards and security:					
Cybersecurity.....	100,287	122,511	121,286	+20,999	-1,225
Defense nuclear security.....	728,123	690,217	689,510	-38,613	-707

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Construction:					
08-D-701 Nuclear materials S&S upgrade project Los Alamos National Laboratory.....	48,550	46,000	44,620	-3,930	-1,380
05-D-170 Project engineering and design (PED), various locations.....	7,847	1,111	1,078	-6,769	-33
08-D-702 Material security consolidation project, Idaho National Lab, ID.....	14,713	---	---	-14,713	---
Subtotal, Construction.....	71,110	47,111	45,698	-25,412	-1,413
Subtotal, Defense nuclear security.....	799,233	737,328	735,208	-64,025	-2,120
Total, Safeguards and security.....	899,520	859,839	856,494	-43,026	-3,345
Congressionally directed projects.....	47,232	---	22,836	-24,396	+22,836
Less security charge for reimbursable work.....	-34,000	---	---	+34,000	---
Use of prior year balances.....	-86,514	-366	---	+86,514	+366
TOTAL, WEAPONS ACTIVITIES.....	6,297,466	6,618,079	6,380,000	+82,534	-238,079
DEFENSE NUCLEAR NONPROLIFERATION					
Nonproliferation and verification, R&D.....	362,424	281,944	345,332	-17,092	+83,388
Construction					
07-SC-05 Physical Science Facility, Pacific Northwest National Laboratory, Richland, WA.....	---	13,147	18,460	+18,460	+5,313
06-D-180 06-01 Project engineering and design(PED) National Security Laboratory, PNNL.....	24,772	---	---	-24,772	---
Subtotal, Nonproliferation & verification R&D.....	387,196	275,091	363,792	-23,404	+88,701
Nonproliferation and international security.....	149,993	140,487	150,000	+7	+9,533
International nuclear materials protection and cooperation.....	624,482	429,694	400,000	-224,482	-29,694
Elimination of weapons-grade plutonium production program.....	179,940	141,299	141,299	-38,641	---
Fissile materials disposition:					
U.S. surplus fissile materials disposition.....	---	40,774	40,774	+40,774	---
U.S. uranium disposition.....	68,235	---	---	-68,235	---
Subtotal, U.S. surplus fissile materials disp.....	68,235	40,774	40,774	-25,461	---
Russian surplus materials disposition.....	---	1,000	1,000	+1,000	---
Total, Fissile materials disposition.....	68,235	41,774	41,774	-24,461	---
Global threat reduction initiative.....	193,225	219,641	395,000	+201,775	+175,359
International nuclear fuel bank.....	49,545	---	---	-49,545	---
Congressionally directed projects.....	7,380	---	1,903	-5,477	+1,903
Subtotal, Defense Nuclear Nonproliferation.....	1,657,986	1,247,966	1,493,768	-164,228	+245,802
Use of prior year balances.....	---	-918	-11,418	-11,418	-10,500
Subtotal, Defense Nuclear Nonproliferation.....	1,657,986	1,247,048	1,482,350	-175,646	+235,302
Rescissions:					
Rescission of prior year balances - Russian Surplus Materials Disposition program.....	-57,000	---	---	+57,000	---
Rescission of prior year balances - Fissile materials disposition MOX construction line.....	-115,000	---	---	+115,000	---
Rescission of prior year balances for Emergency Supplemental for FY 1999 (H.R. 4328, P.L. 102-277)	-150,000	---	---	+150,000	---
Total, Rescissions.....	-322,000	---	---	+322,000	---
TOTAL, DEFENSE NUCLEAR NONPROLIFERATION.....	1,335,986	1,247,048	1,482,350	+146,354	+235,302
NAVAL REACTORS					
Naval reactors development.....	732,374	771,600	771,600	+39,226	---
Construction:					
09-D-190, PED, Infrastructure upgrades, KAPL.....	---	1,000	1,000	+1,000	---
09-D-902, NRF Office Building #2, ECC upgrade, Idaho	---	8,300	8,300	+8,300	---
08-D-901 Shipping and receiving and warehouse complex (SRWC), BAPL.....	8,918	---	---	-8,918	---

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08-D-190 Project engineering and design, Expanded Core Facility M-290 recovering discharge station, Naval Reactor Facility, ID.....					
	545	300	300	-245	---
07-D-190 Materials research technology complex (MRTC).....					
	446	12,400	12,400	+11,954	---
Subtotal, Construction.....	9,909	22,000	22,000	+12,091	---
Total, Naval reactors development.....	742,283	793,600	793,600	+51,317	---
Program direction.....	32,403	34,454	34,454	+2,051	---
TOTAL, NAVAL REACTORS.....	774,686	828,054	828,054	+53,368	---
OFFICE OF THE ADMINISTRATOR					
Office of the Administrator.....	379,997	404,081	415,878	+35,881	+11,797
Congressionally directed projects.....	22,140	---	23,312	+1,172	+23,312
TOTAL, OFFICE OF THE ADMINISTRATOR.....	402,137	404,081	439,190	+37,053	+35,109
TOTAL, NATIONAL NUCLEAR SECURITY ADMINISTRATION....	8,810,285	9,097,262	9,129,594	+319,309	+32,332
DEFENSE ENVIRONMENTAL CLEANUP					
Closure Sites:					
Ashtabula.....	292	---	---	-292	---
Closure sites administration.....	11,726	13,209	13,209	+1,483	---
Fernald.....	---	2,100	2,100	+2,100	---
Miamisburg.....	30,032	30,574	30,574	+542	---
Total, closure sites.....	42,050	45,883	45,883	+3,833	---
Hanford Site:					
Nuclear facility D&D, river corridor closure project	223,172	165,248	231,837	+8,665	+66,589
Nuclear material stabilization & disposition PFP....	97,110	113,483	122,483	+25,373	+9,000
SNF stabilization and disposition.....	98,907	122,171	122,171	+23,264	---
Subtotal, 2012 accelerated completions.....	419,189	400,902	476,491	+57,302	+75,589
Nuclear facility D&D - remainder of Hanford.....	97,854	85,853	89,803	-7,951	+4,250
Operate waste disposal facility.....	3,299	---	---	-3,299	---
Richland community and regulatory support.....	19,441	19,620	19,620	+179	---
Soil & water remediation - groundwater/vadose zone..	104,591	169,682	182,532	+77,941	+12,850
Solid waste stabilization & disposition - 200 area..	242,124	175,930	198,430	-43,694	+22,500
Subtotal, 2035 accelerated completions.....	467,309	450,885	490,485	+23,176	+39,600
Total, Hanford Site.....	886,498	851,787	966,976	+80,478	+115,189
Idaho National Laboratory:					
Nuclear material stabilization and disposition.....	2,230	2,030	---	-2,230	-2,030
SNF stabilization and disposition - 2012.....	28,922	20,334	14,334	-14,588	-6,000
Solid waste stabilization and disposition.....	152,225	178,767	191,237	+39,012	+12,470
Radioactive liquid tank waste stabilization and disposition.....	66,010	46,025	46,025	-19,985	---
06-D-401, Sodium bearing waste treatment project, ID	111,774	86,700	86,700	-25,074	---
Soil and water remediation - 2012.....	111,366	70,268	99,465	-11,901	+29,197
Nuclear facility D&D.....	32,078	24,133	34,133	+2,055	+10,000
Idaho community and regulatory support.....	3,753	3,867	3,867	+114	---
Total, Idaho National Laboratory.....	508,358	432,124	475,781	-32,577	+43,637
NNSA:					
Lawrence Livermore National Laboratory.....	8,601	---	---	-8,601	---
NNSA Service Center/SPRU.....	28,831	16,943	19,443	-9,388	+2,500
Nevada.....	80,368	85,674	75,674	-4,694	+10,000
California site support.....	367	---	---	-367	---
Pantex.....	20,027	---	---	-20,027	---
Sandia National Laboratories.....	---	---	3,000	+3,000	+3,000
Los Alamos National Laboratory.....	152,070	162,467	222,734	+70,664	+60,267
Total, NNSA sites and Nevada off-sites.....	290,264	245,084	320,851	+30,587	+75,767
Oak Ridge Reservation:					
Building 3019.....	29,727	58,000	58,000	+28,273	---
Nuclear facility D&D ORNL.....	50,978	58,160	84,825	+13,847	+6,665
Nuclear facility D&D Y-12.....	19,674	32,392	48,392	+28,718	+16,000
Nuclear facility D&D, E. Tenn. Technology Park.....	3,323	105	105	-3,218	---
OR reservation community & regulatory support.....	5,912	6,100	6,100	+188	---
Soil and water remediation - offsites.....	9,294	4,730	1,230	-8,064	-3,500

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(Amounts in thousands)

	FY 2008 Enacted	FY 2009 Request	This Bill	This Bill vs. Enacted	This Bill vs. Request
Solid waste stabilization and disposition - 2012....	71,827	78,183	84,183	+12,556	+6,000
Total, Oak Ridge Reservation.....	190,535	237,670	262,835	+72,300	+25,165
Office of River Protection:					
Waste treatment & immobilization plant					
01-D-16A Low activity waste facility.....	141,699	160,000	160,000	+18,301	---
01-D-16B Analytical laboratory.....	44,591	65,000	65,000	+20,409	---
01-D-16C Balance of facilities.....	71,345	75,000	75,000	+3,655	---
01-D-16D High-level waste facility.....	175,389	125,000	125,000	-50,389	---
01-D-16E Pretreatment facility.....	250,698	265,000	265,000	+14,302	---
Subtotal, Waste treatment & immobilization plant	683,722	690,000	690,000	+6,278	---
Tank Farm activities:					
Rad liquid tank waste stabil. and disposition....	285,351	288,443	319,943	+34,592	+31,500
River protection community and regulatory support.	467	---	---	-467	---
Subtotal, Tank Farm activities.....	285,818	288,443	319,943	+34,125	+31,500
Total, Office of River Protection.....	969,540	978,443	1,009,943	+40,403	+31,500
Savannah River site:					
04-D-423 Container surveillance capability in 235F..	10,900	---	---	-10,900	---
04-D-414 Project Engineering and Design, 105-K.....	---	2,032	---	---	-2,032
Subtotal, 2012 accelerated completions.....	10,900	2,032	---	-10,900	-2,032
SR community and regulatory support.....	12,386	12,500	14,800	+2,414	+2,300
Nuclear material stabilization and disposition.....	314,919	339,311	339,843	+24,924	+532
Spent nuclear fuel stabilization and disposition....	30,850	24,108	24,108	-6,742	---
Solid waste stabilization and disposition.....	72,859	53,559	62,599	-10,260	+9,040
Soil and water remediation.....	74,507	67,121	71,967	-2,540	+4,846
Nuclear facility D&D.....	2,882	2,052	12,052	+9,170	+10,000
Construction:					
08-D-414 Project engineering and design					
Plutonium Vitrification Facility, VL.....	991	---	---	-991	---
Subtotal, 2035 accelerated completions.....	509,394	498,651	525,369	+15,975	+26,718
Tank Farm activities:					
Rad liquid tank waste stabil. and disposition....	513,799	578,218	546,250	+32,451	-31,968
05-D-405, Salt waste processing facility.....	87,199	127,524	155,524	+68,325	+28,000
03-D-414, Salt waste processing facility PED SR...	9,910	---	---	-9,910	---
Subtotal, Tank farm activities.....	610,908	705,742	701,774	+90,866	-3,968
Total, Savannah River site.....	1,131,202	1,206,425	1,227,143	+95,941	+20,718
Waste Isolation Pilot Plant:					
Operate WIPP.....	148,653	126,425	137,425	-11,228	+11,000
Central Characterization Project.....	32,599	29,069	38,206	+5,607	+9,137
Transportation.....	26,887	28,170	28,170	+1,283	---
Community and regulatory support.....	26,446	27,860	27,860	+1,414	---
Total, Waste Isolation Pilot Plant.....	234,585	211,524	231,661	-2,924	+20,137
Program direction.....	308,941	308,765	309,807	+2,866	+1,042
Program support.....	32,844	33,930	33,930	+1,086	---
Safeguards and Security:					
Waste Isolation Pilot Project.....	4,882	5,124	5,124	+242	---
Oak Ridge Reservation.....	18,322	27,020	27,020	+8,698	---
West Valley.....	1,585	1,400	1,400	-185	---
Paducah.....	---	8,196	8,196	+8,196	---
Richland/Hanford Site.....	86,503	75,265	79,765	-6,738	+4,500
Savannah River Site.....	148,040	134,336	134,336	-13,704	---
Portsmouth.....	---	---	4,500	+4,500	+4,500
Total, Safeguards and Security.....	259,332	251,341	260,341	+1,009	+9,000
Technology development.....	21,194	32,389	32,320	+11,126	-69
Uranium enrichment D&D fund contribution.....	458,787	463,000	463,000	+4,213	---
SUBTOTAL, DEFENSE ENVIRONMENTAL CLEAN UP.....	5,332,130	5,298,365	5,640,451	+308,321	+342,086
Congressionally directed projects.....	17,195	---	17,908	+713	+17,908
Use of prior year balances.....	---	-1,109	-1,109	-1,109	---
TOTAL, DEFENSE ENVIRONMENTAL CLEAN UP.....	5,349,325	5,297,256	5,657,250	+307,925	+359,994

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2008 Enacted	FY 2009 Request	This Bill	This Bill vs. Enacted	This Bill vs. Request
OTHER DEFENSE ACTIVITIES					
Health, safety and security:					
Health, safety and security.....	326,324	347,271	346,874	+20,550	-397
Program direction.....	99,137	99,597	99,597	+460	---
Total, Health, safety and security.....	425,461	446,868	446,471	+21,010	-397
Office of Legacy Management:					
Legacy management.....	144,060	174,397	174,397	+30,337	---
Program direction.....	10,901	11,584	11,584	+683	---
Total, Office of Legacy Management.....	154,961	185,981	185,981	+31,020	---
Nuclear energy:					
Infrastructure:					
Idaho sitewide safeguards and security.....	75,261	78,811	78,811	+3,550	---
Mixed oxide fuel fabrication facility:					
Operations and maintenance.....	---	19,200	19,200	+19,200	---
Construction and other project costs:					
99-D-143 MOX fuel fabrication facility.....	---	467,808	467,808	+467,808	---
Subtotal, Mixed oxide fuel fabrication facility.....	---	487,008	487,008	+487,008	---
Total, Nuclear energy.....	75,261	565,819	565,819	+490,558	---
Defense related administrative support.....	98,104	108,190	108,190	+10,086	---
Office of hearings and appeals.....	4,565	6,603	6,603	+2,038	---
Subtotal, Other Defense Activities.....	758,352	1,313,461	1,313,064	+554,712	-397
Congressionally directed projects.....	---	---	999	+999	+999
Less security charge for reimbursable work.....	-3,003	---	---	+3,003	---
Use of prior year balances.....	-990	---	---	+990	---
TOTAL, OTHER DEFENSE ACTIVITIES.....	754,359	1,313,461	1,314,063	+559,704	+602
DEFENSE NUCLEAR WASTE DISPOSAL.....	199,171	247,371	143,000	-56,171	-104,371
TOTAL, ATOMIC ENERGY DEFENSE ACTIVITIES.....	15,113,140	15,955,350	16,243,907	+1,130,767	+288,557
POWER MARKETING ADMINISTRATIONS					
SOUTHEASTERN POWER ADMINISTRATION					
Operation and maintenance:					
Purchase power and wheeling.....	62,215	63,522	63,522	+1,307	---
Program direction.....	6,404	7,420	7,420	+1,016	---
Subtotal, Operation and maintenance.....	68,619	70,942	70,942	+2,323	---
Less alternative financing (PPW).....	-13,802	-14,002	-14,002	-200	---
Offsetting collections.....	-48,413	-49,520	-49,520	-1,107	---
TOTAL, SOUTHEASTERN POWER ADMINISTRATION.....	6,404	7,420	7,420	+1,016	---
SOUTHWESTERN POWER ADMINISTRATION					
Operation and maintenance:					
Operating expenses.....	11,892	12,865	12,865	+973	---
Purchase power and wheeling.....	45,000	46,000	46,000	+1,000	---
Program direction.....	22,054	24,330	24,330	+2,276	---
Construction.....	4,269	5,991	5,991	+1,722	---
Subtotal, Operation and maintenance.....	83,215	89,186	89,186	+5,971	---
Less alternative financing (for program direction).....	-877	-2,200	-2,200	-1,323	---
Less alternative financing (for O&M).....	-6,304	-9,381	-9,381	-3,077	---
Less alternative financing (PPW).....	-10,000	-11,000	-11,000	-1,000	---
Less alternative financing (Const.).....	-869	-3,191	-3,191	-2,322	---
Offsetting collections.....	-35,000	-35,000	-35,000	---	---
TOTAL, SOUTHWESTERN POWER ADMINISTRATION.....	30,165	28,414	28,414	-1,751	---

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2008 Enacted	FY 2009 Request	This Bill	This Bill vs. Enacted	This Bill vs. Request
=====					
WESTERN AREA POWER ADMINISTRATION					
Operation and maintenance:					
Construction and rehabilitation.....	62,419	74,544	74,544	+12,125	---
Operation and maintenance.....	52,873	52,365	52,365	-508	---
Purchase power and wheeling.....	475,254	525,960	600,960	+125,706	+75,000
Program direction.....	156,128	166,423	166,423	+10,295	---
Utah mitigation and conservation.....	7,114	7,342	7,342	+228	---
Subtotal, Operation and maintenance.....	753,788	826,634	901,634	+147,846	+75,000
Less alternative financing (for O&M).....	-5,000	-15,499	-15,499	-10,499	---
Less alternative financing (for Const.).....	-30,690	-72,663	-47,663	-16,973	+25,000
Less alternative financing (for Program direction)..	-10,000	-15,800	-15,800	-5,800	---
Less alternative financing (for PPW).....	-166,552	-197,842	-197,842	-31,290	---
Offsetting collections (P.L. 108-477, P.L. 109-103).	-308,702	-328,118	-403,118	-94,416	-75,000
Offsetting collections (P.L. 98-381).....	-3,937	-3,366	-3,366	+571	---
TOTAL, WESTERN AREA POWER ADMINISTRATION.....	228,907	193,346	218,346	-10,561	+25,000
=====					
FALCON AND AMISTAD OPERATING AND MAINTENANCE FUND					
Operation and maintenance.....	2,477	2,959	2,959	+482	---
TOTAL, POWER MARKETING ADMINISTRATIONS.....	267,953	232,139	257,139	-10,814	+25,000
=====					
FEDERAL ENERGY REGULATORY COMMISSION					
Federal energy regulatory commission.....	260,425	273,400	273,400	+12,975	---
FERC revenues.....	-260,425	-273,400	-273,400	-12,975	---
GRAND TOTAL, DEPARTMENT OF ENERGY.....	24,489,102	25,917,888	26,967,001	+2,477,899	+1,049,113
(Total amount appropriated).....	(24,661,102)	(25,743,888)	(26,793,001)	(+2,131,899)	(+1,049,113)
(Rescissions, including emergency funding)...	(-322,000)	---	---	(+322,000)	---
(Deferrals).....	(108,000)	(149,000)	(149,000)	(+41,000)	---
(Advance appropriation).....	(42,000)	(25,000)	(25,000)	(-17,000)	---

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2008 Enacted	FY 2009 Request	This Bill	This Bill vs. Enacted	This Bill vs. Request
SUMMARY OF ACCOUNTS					
Energy efficiency and renewable energy.....	1,722,407	1,255,393	1,928,540	+208,133	+673,147
Electricity delivery and energy reliability.....	138,556	134,000	137,000	-1,556	+3,000
Nuclear energy.....	961,665	853,644	792,000	-169,665	-61,644
Office of Legacy Management.....	33,872	---	---	-33,872	---
Clean coal technology.....	-56,489	---	---	+56,489	---
Fossil Energy Research and Development.....	742,838	754,030	876,320	+133,482	+122,290
Naval Petroleum & Oil Shale Reserves.....	20,272	19,099	19,099	-1,173	---
Strategic petroleum reserves.....	186,757	344,000	205,000	+18,243	-139,000
Northeast home heating oil reserve.....	12,335	9,800	9,800	-2,535	---
Energy Information Administration.....	95,460	110,595	110,595	+15,135	---
Non-defense environmental clean up.....	182,263	213,411	261,819	+79,556	+48,408
Uranium enrichment D&D fund.....	622,162	480,333	535,503	-86,859	+55,170
Science.....	4,017,711	4,721,969	4,772,636	+754,925	+50,667
Nuclear waste disposal.....	187,269	247,371	145,390	-41,879	-101,981
Departmental administration.....	309,662	272,144	272,643	-37,019	+499
Revenues.....	-161,247	-117,317	-117,317	+43,930	---
Total, Departmental administration.....	148,415	154,827	155,326	+6,911	+499
Office of the Inspector General.....	46,057	51,927	51,927	+5,870	---
Innovative Technology Loan Guarantee Program.....	46,459	380,000	465,000	+418,541	+85,000
Atomic energy defense activities:					
National Nuclear Security Administration:					
Weapons activities.....	6,297,466	6,618,079	6,380,000	+82,534	-238,079
Defense nuclear nonproliferation.....	1,335,996	1,247,048	1,482,350	+146,354	+235,302
Naval reactors.....	774,686	828,054	828,054	+53,368	---
Office of the Administrator.....	402,137	404,081	439,190	+37,053	+35,109
Subtotal, National Nuclear Security Admin.....	8,810,285	9,097,262	9,129,594	+319,309	+32,332
Defense environmental cleanup.....	5,349,325	5,297,256	5,657,250	+307,925	+359,994
Other defense activities.....	754,359	1,313,461	1,314,063	+559,704	+602
Defense nuclear waste disposal.....	199,171	247,371	143,000	-56,171	-104,371
Total, Atomic energy defense activities.....	15,113,140	15,955,350	16,243,907	+1,130,767	+288,557
Power marketing administrations:					
Southeastern Power Administration.....	6,404	7,420	7,420	+1,016	---
Southwestern Power Administration.....	30,165	28,414	28,414	-1,751	---
Western Area Power Administration.....	228,907	193,346	218,346	-10,561	+25,000
Falcon and Amistad operating and maintenance fund...	2,477	2,959	2,959	+482	---
Total, Power marketing administrations.....	267,953	232,139	257,139	-10,814	+25,000
Federal Energy Regulatory Commission:					
Salaries and expenses.....	280,425	273,400	273,400	+12,975	---
Revenues.....	-280,425	-273,400	-273,400	-12,975	---
Total Summary of Accounts, Department of Energy...	24,489,102	25,917,888	26,967,001	+2,477,899	+1,049,113
FUNCTION RECAP:					
NON-DEFENSE.....	9,371,503	9,962,538	10,727,594	+1,356,091	+765,056
DEFENSE.....	15,117,599	15,955,350	16,239,407	+1,121,808	+284,057
Environmental management.....	(6,153,750)	(5,991,000)	(6,454,572)	(+300,822)	(+463,572)
DEFENSE RELATED.....	(5,349,325)	(5,297,256)	(5,657,250)	(+307,925)	(+359,994)
NON-DEFENSE.....	(804,425)	(693,744)	(797,322)	(-7,103)	(+103,578)
Nuclear waste disposal.....	(388,440)	(494,742)	(288,390)	(-98,050)	(-206,352)
DEFENSE RELATED.....	(199,171)	(247,371)	(143,000)	(-56,171)	(-104,371)
NON-DEFENSE.....	(187,269)	(247,371)	(145,390)	(-41,879)	(-101,981)

**TITLE IV—INDEPENDENT AGENCIES
APPALACHIAN REGIONAL COMMISSION**

The bill provides \$75,000,000 for the Appalachian Regional Commission.

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

SALARIES AND EXPENSES

The bill provides \$25,000,000 for the Defense Nuclear Facilities Safety Board.

DELTA REGIONAL AUTHORITY

SALARIES AND EXPENSES

The bill provides \$13,000,000 for the Delta Regional Authority (DRA).

DENALI COMMISSION

The bill provides \$11,800,000 for the Denali Commission.

NUCLEAR REGULATORY COMMISSION

SALARIES AND EXPENSES

The bill provides \$1,034,656,000 for the Nuclear Regulatory Commission (NRC). The total amount of budget authority is offset by estimated revenues of \$860,857,000, resulting in a net appropriation of \$173,799,000. The bill includes \$49,000,000 to be derived from the Nuclear Waste Fund.

Of the \$1,034,656,000 gross appropriation for fiscal year 2009, \$49,000,000 is drawn from the Nuclear Waste Fund, \$2,000,000 is drawn from the General Fund of the Treasury to execute NRC's responsibilities to provide oversight of certain Department of Energy activities under section 3116 of Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 (P.L. 108-375), and \$27,148,000 is drawn from the General Fund of the Treasury to execute NRC's homeland security responsibilities. Ninety percent of the balance of \$956,508,000 (i.e., \$860,857,000) is funded by fees collected from NRC licensees, and the remaining 10 percent (i.e., \$95,651,000) is funded from the General Fund of the Treasury.

Integrated University Program.—The bill includes \$15,000,000 to support education in nuclear science, engineering, and related trades to develop a workforce capable of the design, construction, operation, and regulation of nuclear facilities and the safe handling of nuclear materials. These funds are to be used for college scholarships and graduate fellowships in nuclear science, engineering, and health physics, and for faculty development

grants supporting faculty in these academic areas for the first six years of their careers. Some of these funds are also to be used for scholarships for trade schools in the nuclear-related trades. Notwithstanding the requirements of section 243 of the Energy Policy Act of 2005, which makes employment at the Commission a condition of receiving educational assistance, the Commission is directed to make generous use of the waiver or suspension provisions available in section 243(c)(2). The nuclear education supported by this funding is intended to benefit the nuclear sector broadly (i.e., federal agencies, industry, and academia) rather than solely to benefit the Nuclear Regulatory Commission. Within available funds, \$5,000,000 is provided for the Integrated University Program cooperative research grant program.

Fire Protection.—The NRC is currently piloting an alternative risk-based approach to fire safety that is likely to reduce fire safety requirements in certain “low risk” areas of nuclear power plants. As the NRC continues to work on these pilots, it must ensure that its methodology for assessing risk is either validated by independent third parties or applies standards developed by an independent entity and is transparent to the public. The NRC is directed to provide a report to the Committees on Appropriations within 60 days of enactment of this Act providing the status of the fire safety pilot projects and how all licensees are able to comply with either these new or existing regulatory requirements.

Next Generation Nuclear Plant Licensing.—The NRC is directed to increase resources to work with the Department of Energy on the Next Generation Nuclear Plant, so that technical issues involved in licensing this new nuclear reactor will be identified and resolved as early as possible in the design process.

OFFICE OF INSPECTOR GENERAL

The bill provides \$1,086,000 for the NRC Office of Inspector General.

NUCLEAR WASTE TECHNICAL REVIEW BOARD

SALARIES AND EXPENSES

The bill provides \$3,811,000 for Nuclear Waste Technical Review Board.

**TENNESSEE VALLEY AUTHORITY
OFFICE OF INSPECTOR GENERAL**

The bill includes no funds to establish a congressionally-funded Office of Inspector General for the Tennessee Valley Authority.

Reports.—The Inspector General is directed to forward copies of all audit and inspection reports to the Committees on Appropriations immediately after they are issued, and immediately make the Committees aware of any review that recommends cancellation of, or modification to, any major acquisition project or grant, or which recommends significant budgetary savings. The Inspector General is also directed to withhold from public distribution for a period of 15 days any final audit or investigation report that was requested by the Committees on Appropriations.

**OFFICE OF THE FEDERAL COORDINATOR
FOR ALASKA NATURAL GAS TRANSPORTATION PROJECTS**

The bill provides \$4,400,000 for the Office of the Federal Coordinator for Alaska Natural Gas Transportation Projects.

TITLE V—GENERAL PROVISIONS

The bill includes a provision that prohibits the use of any funds provided in this bill from being used to influence congressional action.

The bill includes a provision that addresses transfer authority under this Act.

DISCLOSURE OF EARMARKS AND CONGRESSIONALLY DIRECTED SPENDING ITEMS

Following is a list of congressional earmarks and congressionally directed spending items (as defined in clause 9 of rule XXI of the Rules of the House of Representatives and rule XLIV of the Standing Rules of the Senate, respectively) included in the bill or this explanatory statement, along with the name of each Senator, House Member, Delegate, or Resident Commissioner who submitted a request to the Committee of jurisdiction for each item so identified. Reference in the following table to “The President” is a reference to President Bush. Neither the bill nor the explanatory statement contains any limited tax benefits or limited tariff benefits as defined in the applicable House and Senate rules.

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Bureau of Reclamation	Water and Related Resources	WILLIAMSON COUNTY WATER RECYCLING PROJECT	\$600,000	Carter, John R.		
Bureau of Reclamation	Water and Related Resources	WYOMING INVESTIGATIONS	\$24,000			The President
Bureau of Reclamation	Water and Related Resources	YAKIMA PROJECT	\$8,172,000	Hastings, Doc	Murray	The President
Bureau of Reclamation	Water and Related Resources	YAKIMA RIVER BASIN WATER ENHANCEMENT PROJECT	\$7,793,000	Hastings, Doc	Murray	The President
Bureau of Reclamation	Water and Related Resources	YAKIMA RIVER BASIN WATER SUPPLY STUDY	\$500,000	Hastings, Doc	Murray, Cantwell	
Bureau of Reclamation	Water and Related Resources	YUMA AREA PROJECTS	\$21,320,000			The President
Bureau of Reclamation	Water and Related Resources	YUMA EAST WETLANDS	\$1,500,000	Grijalva, Raúl M.; Pastor, Ed	Kyl	
Bureau of Reclamation	General Provisions	Section 206			Domenici	
Bureau of Reclamation	General Provisions	Section 207			Reid	
Bureau of Reclamation	General Provisions	Section 208			Reid	
Department of Energy	EERE	ADAPTIVE LIQUID CRYSTAL WINDOWS (OH)	\$951,500	Ryan, Tim		
Department of Energy	EERE	ADVANCED ENGINEERED RAPIDLY DEPLOYABLE MANUFACTURING METHODS AND MATERIALS FOR ENVIRONMENTALLY-BENIGN AND ENERGY EFFICIENT HOUSING (VA)	\$475,750	Goode, Jr., Virgil H.		
Department of Energy	EERE	ADVANCED POWER BATTERIES FOR RENEWABLE ENERGY APPLICATIONS (PA)	\$351,104	Dent, Charles W.; Holden, Tim		
Department of Energy	EERE	ALGAL-BASE RENEWABLE ENERGY FOR NEVADA (NV)	\$713,625		Reid	
Department of Energy	EERE	ALTERNATIVE CROPS AND BIOFUEL PRODUCTION (OK)	\$285,450	Lucas, Frank D.		
Department of Energy	EERE	ALTERNATIVE ENERGIES WORKFORCE APPLICATIONS EDUCATION AND TRAINING PROGRAM (OH)	\$951,500	Jones, Stephanie Tubbs; Kucinich, Dennis J.; Sutton, Betty	Voinovich, Brown	
Department of Energy	EERE	ALTERNATIVE ENERGY ENGINEERING TECHNOLOGY (VA)	\$95,150	Moran, James P.		
Department of Energy	EERE	ALTERNATIVE ENERGY FOR HIGHER EDUCATION (NE)	\$1,141,800		Ben Nelson, Hagel	
Department of Energy	EERE	ALTERNATIVE ENERGY SCHOOL OF THE FUTURE, CLARK COUNTY (NV)	\$1,189,375	Berkley, Shelley; Porter, Jon C.	Reid	
Department of Energy	EERE	ALTERNATIVE FUEL CELL MEMBRANES FOR NATIONAL ENERGY INDEPENDENCE (MS)	\$951,500		Cochran, Wicker	
Department of Energy	EERE	ANAEROBIC DIGESTER AND COMBINED HEAT POWER PROJECT (MD)	\$570,900	Van Hollen, Chris	Cardin	
Department of Energy	EERE	ANCHORAGE REGIONAL LANDFILL (AK)	\$713,625	Young, Don		
Department of Energy	EERE	ANN ARBOR WIND GENERATOR FOR WATER TREATMENT PLANT (MI)	\$951,500	Dingell, John D.		
Department of Energy	EERE	ANTI-IDLING LITHIUM ION BATTERY PROGRAM, CALIFORNIA (CA)	\$951,500	Sherman, Brad		
Department of Energy	EERE	ATLANTA INTERNATIONAL TERMINAL LEED CERTIFICATION (GA)	\$475,750	Johnson, Jr., Henry C. Hank		
Department of Energy	EERE	AUBURN UNIVERSITY BIOENERGY AND BIOPRODUCTS LABORATORY (AL)	\$951,500	Bonner, Jo; Rogers (AL), Mike	Shelby, Sessions	
Department of Energy	EERE	BEXAR COUNTY PHOTOVOLTAIC PANELS (TX)	\$475,750	Gonzalez, Charles A.; Rodriguez, Ciro D.; Smith, Lamar		
Department of Energy	EERE	BIO-DIESEL CELLULOSIC ETHANOL RESEARCH FACILITY (FL)	\$951,500	Hastings, Alcee L.; Mahoney, Tim		
Department of Energy	EERE	BIOECONOMY INITIATIVE AT MBI INTERNATIONAL (MI)	\$475,750	Rogers (MI), Mike		
Department of Energy	EERE	BIOENERGY DEMONSTRATION PROJECT: VALUE-ADDED PRODUCTS FROM RENEWABLE FUELS (NE)	\$1,903,000	Fortenberry, Jeff	Ben Nelson, Hagel	
Department of Energy	EERE	BIOFUELS DEVELOPMENT AT TEXAS A&M (TX)	\$951,500	Edwards, Chet		
Department of Energy	EERE	BIOFUELS RESEARCH AND DEVELOPMENT INFRASTRUCTURE (WA)	\$475,750	McDermott, Jim; Smith, Adam		
Department of Energy	EERE	BIOGAS CENTER OF EXCELLENCE (MI)	\$951,500	Kildee, Dale E.	Levin, Stabenow	
Department of Energy	EERE	BIOMASS ENERGY GENERATION PROJECT (IA)	\$285,450	Braley, Bruce L.	Grassley	
Department of Energy	EERE	BIOMASS ENERGY RESOURCES CENTER (VT)	\$1,427,250		Leahy	
Department of Energy	EERE	BIOMASS FUEL CELL SYSTEMS (CO)	\$1,665,125	Perlmutter, Ed		
Department of Energy	EERE	BIOMASS GASIFICATION RESEARCH AND DEVELOPMENT PROJECT (WA)	\$951,500		Murray	
Department of Energy	EERE	BIOREFINERY DEMONSTRATION PROJECT, UGA, ATHENS (GA)	\$1,189,375	Kingston, Jack	Chambliss, Isakson	

Department of Energy	EERE	BIOREFINERY FOR ETHANOL, CHEMICALS, ANIMAL FEED AND BIOMATERIALS FROM SUGAR-CANE BAGASSE (LA)	\$951,500		Landrieu, Vitter	
Department of Energy	EERE	BIOREFINING FOR ENERGY SECURITY PROJECT, OU-LANCASTER (OH)	\$951,500	Hobson, David L.	Voinovich	
Department of Energy	EERE	BOISE CITY GEOTHERMAL SYSTEM EXPANSION (ID)	\$1,427,250	Simpson, Michael K.		
Department of Energy	EERE	CARBON NEUTRAL GREEN CAMPUS (NV)	\$380,600	Porter, Jon C.	Reid	
Department of Energy	EERE	CAYUGA COUNTY REGIONAL DIGESTER FACILITY (NY)	\$475,750	Arcuri, Michael A.		
Department of Energy	EERE	CENTER FOR CLEAN FUELS AND POWER GENERATION AT THE UNIVERSITY OF HOUSTON (TX)	\$475,750	Jackson-Lee, Sheila; Poe, Ted		
Department of Energy	EERE	CENTER FOR EFFICIENCY IN SUSTAINABLE ENERGY SYSTEMS (OH)	\$1,903,000	Ryan, Tim		
Department of Energy	EERE	CENTER FOR INTEGRATED BIOMASS RESEARCH (NC)	\$1,208,405	Etheridge, Bob; Miller, Brad; Price, David E.	Dole	
Department of Energy	EERE	CENTER FOR INTERNATIONAL INTELLIGENT TRANSPORTATION RESEARCH (TX)	\$523,325	Reyes, Silvestre		
Department of Energy	EERE	CENTER FOR NANOSCALE ENERGY (ND)	\$4,757,500	Pomeroy, Earl	Dorgan	
Department of Energy	EERE	CENTER FOR RENEWABLE ENERGY, SCIENCE AND TECHNOLOGY (TX)	\$1,403,463	Barton, Joe		
Department of Energy	EERE	CENTER OF EXCELLENCE IN OCEAN ENERGY RESEARCH AND DEVELOPMENT, FLORIDA ATLANTIC UNIVERSITY (FL)	\$1,189,375	Klein, Ron; Wasserman Schultz, Debbie; Wexler, Robert		
Department of Energy	EERE	CENTRAL VERMONT RECOVERED BIOMASS FACILITY (VT)	\$951,500		Leahy	
Department of Energy	EERE	CHARITON VALLEY DENSIFICATION—PHASE II (IA)	\$951,500		Harkin	
Department of Energy	EERE	CHRISTMAS VALLEY RENEWABLE ENERGY DEVELOPMENT (OR)	\$380,600		Wyden, Smith	
Department of Energy	EERE	CITY OF GRAND RAPIDS BUILDING GREEN ROOF DEMONSTRATION (MI)	\$142,725	Ehlers, Vernon J.	Levin, Stabenow	
Department of Energy	EERE	CITY OF LAS VEGAS PLUG-IN HYBRID VEHICLE DEMONSTRATION PROGRAM (NV)	\$142,725	Berkley, Shelley; Porter, Jon C.	Reid	
Department of Energy	EERE	CITY OF LOUISVILLE ENERGY CONSERVATION INITIATIVE (KY)	\$142,725	Yarmuth, John A.		
Department of Energy	EERE	CITY OF MARKHAM COMMUNITY CENTER (IL)	\$237,875	Rush, Bobby L.		
Department of Energy	EERE	CITY OF MIAMI GREEN INITIATIVE (FL)	\$951,500	Meek, Kendrick B.; Wasserman Schultz, Debbie	Bill Nelson	
Department of Energy	EERE	CITY OF TALLAHASSEE INNOVATIVE ENERGY INITIATIVES (FL)	\$570,900	Boyd, Allen; Crenshaw, Ander	Bill Nelson	
Department of Energy	EERE	CLEAN AND EFFICIENT DIESEL ENGINE (PA)	\$1,189,375	English, Phil		
Department of Energy	EERE	CLEAN POWER ENERGY RESEARCH CONSORTIUM (LA)	\$1,903,000	Jefferson, William J.	Landrieu, Vitter	
Department of Energy	EERE	CLEAN TECHNOLOGY COMMERCIALIZATION INITIATIVE (PA)	\$951,500	Dent, Charles W.	Specter, Casey	
Department of Energy	EERE	CLEAN TECHNOLOGY EVALUATION PROGRAM (MA)	\$475,750	Capuano, Michael E.		
Department of Energy	EERE	CLEARY UNIVERSITY GEOTHERMAL ENERGY RETROFIT (MI)	\$475,750	Rogers (MI), Mike		
Department of Energy	EERE	CLEMSON UNIVERSITY CELLULOSIC BIOFUEL PILOT PLANT IN CHARLESTON (SC)	\$951,500	Barrett, J. Gresham; Inglis, Bob		
Department of Energy	EERE	CLOSED LOOP WOODY BIOMASS PROJECT (NY)	\$475,750	Arcuri, Michael A.; Gillibrand, Kirsten E.; Higgins, Brian; McHugh, John M.	Schumer	
Department of Energy	EERE	COASTAL WIND OHIO (OH)	\$951,500	Kaptur, Marcy; Latta, Robert E.	Voinovich, Brown	
Department of Energy	EERE	COLUMBIA GORGE COMMUNITY COLLEGE WIND ENERGY WORKFORCE TRAINING NACELLE (OR)	\$237,875	Walden, Greg	Wyden, Smith	
Department of Energy	EERE	CONSORTIUM FOR PLANT BIOTECHNOLOGY RESEARCH (NC, GA, KY, NY, MI, HI, SD, FL)	\$3,806,000	Abercrombie, Neil; Boyd, Allen; Conyers, Jr., John; Etheridge, Bob; Herseth Sandlin, Stephanie; Lewis, John; Miller, Brad; Price, David E.; Rogers (MI), Mike; Rogers, Harold; Stupak, Bart; Towns, Edolphus	Brown, Dorgan, Harkin, Inouye, Johnson, Klobuchar, Landrieu, Levin, Ben Nelson, Murray, Stabenow, McConnell, Chambliss	
Department of Energy	EERE	CONTROLLED ENVIRONMENTAL AGRICULTURE AND ENERGY PROJECT (NY)	\$475,750	McHugh, John M.	Schumer	
Department of Energy	EERE	COOLING HEATING AND POWER AND BIO-FUEL APPLICATION CENTER (MS)	\$1,903,000		Cochran, Wicker	
Department of Energy	EERE	DEVELOPING NEW ALTERNATIVE ENERGY IN VIRGINIA: BIO-DIESEL FROM ALGAE (VA)	\$713,625	Drake, Thelma D.		
Department of Energy	EERE	DEVELOPMENT OF BIOFUELS (NV)	\$1,024,167		Reid	
Department of Energy	EERE	DEVELOPMENT OF HIGH YIELD FEEDSTOCK AND BIOMASS CONVERSION TECHNOLOGY FOR RENEWABLE ENERGY PRODUCTION AND ECONOMIC DEVELOPMENT (HI)	\$1,427,250	Abercrombie, Neil; Hirono, Mazie K.	Inouye	
Department of Energy	EERE	DOWNTOWN DETROIT ENERGY EFFICIENCY STREET LIGHTING (MI)	\$951,500	Kilpatrick, Carolyn C.	Levin, Stabenow	
Department of Energy	EERE	DUECO PLUG-IN HYBRID ENGINES (WI)	\$1,903,000		Kohl	
Department of Energy	EERE	ECOLOGICALLY SUSTAINABLE CAMPUS—NEW ENGLAND COLLEGE (NH)	\$299,723	Hodes, Paul W.		

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	EERE	ENERGY AND ENVIRONMENTAL RESEARCH CENTER FOR BIOMASS UTILIZATION (ND)	\$2,000,053	Pomeroy, Earl	Dorgan	
Department of Energy	EERE	ENERGY EFFICIENCY/SUSTAINABLE ENERGY PROJECT (NC)	\$951,500	Watt, Melvin L.	Dole	
Department of Energy	EERE	ENERGY EFFICIENT BUILDINGS, SALT LAKE COUNTY, UTAH (UT)	\$618,475	Bishop, Rob; Matheson, Jim		
Department of Energy	EERE	ENERGY EFFICIENT ELECTRONICS COOLING PROJECT (IN)	\$951,500	Souder, Mark E.	Lugar	
Department of Energy	EERE	ENERGY EFFICIENT LIGHTING PROJECT (KY)	\$190,300	Yarmuth, John A.		
Department of Energy	EERE	ENERGY PRODUCTION THROUGH ANAEROBIC DIGESTION (NJ)	\$475,750		Lautenberg, Menendez	
Department of Energy	EERE	ENVIRONMENTAL SYSTEM CENTER AT SYRACUSE UNIVERSITY (NY)	\$713,625	Walsh, James T.		
Department of Energy	EERE	ETHANOL FROM AGRICULTURE FOR ARKANSAS AND AMERICA (AR)	\$951,500	Berry, Marion	Lincoln, Pryor	
Department of Energy	EERE	ETHANOL PILOT PLANT (MA, CT)	\$2,664,200	Courtney, Joe; DeLauro, Rosa L.; Neal, Richard E.; Oliver, John W.	Dodd, Kennedy, Kerry	
Department of Energy	EERE	FLEXIBLE THIN-FILM SILICON SOLAR CELLS (OH)	\$1,189,375	Kaptur, Marcy	Voinovich, Brown	
Department of Energy	EERE	FLORIDA RENEWABLE ENERGY PROGRAM (FL)	\$713,625	Putnam, Adam H.		
Department of Energy	EERE	FLUID FLOW OPTIMIZATION OF AEROGEL BLANKET MANUFACTURING PROCESS (MA)	\$1,427,250	McGovern, James P.	Kennedy, Kerry	
Department of Energy	EERE	FORESTRY BIOFUEL STATEWIDE COLLABORATION CENTER (MI)	\$1,427,250	Stupak, Bart	Levin, Stabenow	
Department of Energy	EERE	FROSTBURG STATE UNIVERSITY SUSTAINABLE ENERGY RESEARCH FACILITY EQUIPMENT AND STAFFING (MD)	\$856,350	Bartlett, Roscoe G.		
Department of Energy	EERE	FUEL CELL OPTIMIZATION AND SCALE-UP (PA)	\$351,104	Dent, Charles W.		
Department of Energy	EERE	GENETIC IMPROVEMENTS OF SWITCHGRASS (RI)	\$1,427,250		Reed	
Department of Energy	EERE	GEOTHERMAL ENERGY PROJECT AT ROBERTS WESLEYAN COLLEGE (NY)	\$475,750	Kuhl, Jr., John R. Randy	Schumer	
Department of Energy	EERE	GEOTHERMAL POWER GENERATION PLANT (OR)	\$1,522,400	Hooley, Darlene; Walden, Greg; Wu, David	Wyden, Smith	
Department of Energy	EERE	GREAT BASIN CENTER FOR GEOTHERMAL ENERGY (NV)	\$682,778		Reid	
Department of Energy	EERE	GREAT LAKES INSTITUTE FOR ENERGY INNOVATION (OH)	\$951,500	Jones, Stephanie Tubbs	Voinovich	
Department of Energy	EERE	GREAT PLAINS WIND POWER TEST FACILITY (TX)	\$1,903,000	Neugebauer, Randy	Hutchison	
Department of Energy	EERE	GREEN BUILDING TECHNOLOGIES—LAKEVIEW MUSEUM (IL)	\$237,875	LaHood, Ray		
Department of Energy	EERE	GREEN BUILDING TECHNOLOGIES—BRADLEY UNIVERSITY (IL)	\$475,750	LaHood, Ray		
Department of Energy	EERE	GREEN COLLAR AND RENEWABLE ENERGY TRAINING PROGRAM, AB TECHNICAL COMMUNITY COLLEGE (NC)	\$666,050	Shuler, Heath	Dole	
Department of Energy	EERE	GREEN ENERGY JOB TRAINING INITIATIVE (CA)	\$237,875	Lee, Barbara; Stark, Fortney Pete		
Department of Energy	EERE	GREEN POWER INITIATIVE (IA)	\$951,500	Loeb sack, David	Harkin, Grassley	
Department of Energy	EERE	GREEN ROOF PROJECT—GREENE COUNTY (MO)	\$475,750	Blunt, Roy		
Department of Energy	EERE	GREEN VEHICLE DEPOT (NY)	\$285,450	Ackerman, Gary L.; McCarthy, Carolyn		
Department of Energy	EERE	HARLEM UNITED SUPPORTIVE HOUSING FUND WIND POWER PROJECT (NY)	\$47,575	Rangel, Charles B.		
Department of Energy	EERE	HAWAII-NEW MEXICO SUSTAINABLE ENERGY SECURITY PARTNERSHIP (HI)	\$3,116,202	Hirono, Mazie K.	Inouye, Domenici, Akaka	
Department of Energy	EERE	HIDALGO COUNTY WASTE TO ENERGY PROJECT (TX)	\$118,938	Hinojosa, Rubén		
Department of Energy	EERE	HIGH CARBON FLY ASH USE FOR THE US CEMENT INDUSTRY (UT)	\$951,500	Matheson, Jim		
Department of Energy	EERE	HIGH PERFORMANCE, LOW COST HYDROGEN GENERATION FROM RENEWABLE ENERGY (CT)	\$951,500	DeLauro, Rosa L.	Dodd, Lieberman	
Department of Energy	EERE	HOLLOW GLASS MICROSPHERES (NV)	\$523,325	Porter, Jon C.	Reid	
Department of Energy	EERE	HULL MUNICIPAL LIGHT PLANT OFFSHORE WIND PROJECT (MA)	\$951,500	Delahunt, William D.; Oliver, John W.		
Department of Energy	EERE	HYDROELECTRIC POWER GENERATION, QUINCY (IL)	\$475,750	Hare, Phil; Hulshof, Kenny C.	Durbin	
Department of Energy	EERE	HYDROGEN OPTICAL FIBER SENSORS (CA)	\$951,500	Harman, Jane		
Department of Energy	EERE	HYDROGEN STORAGE SYSTEM FOR VEHICULAR PROPULSION (DE)	\$1,427,250	Castle, Michael N.	Biden, Carper	
Department of Energy	EERE	HYDROPOWER FROM WASTEWATER ADVANCED ENERGY PROJECT (NY)	\$475,750	Gillibrand, Kirsten E.	Schumer	

Department of Energy	EERE	HYPERCAST R&D FUNDING FOR VEHICLE ENERGY EFFICIENCY THROUGH CAST METAL AUTO-COMBUSTION SYNTHESIS (MA)	\$1,427,250	McGovern, James P.	Kennedy, Kerry, Salazar, Brown, Voinovich, Lugar, Stabenow	
Department of Energy	EERE	ILLINOIS STATE UNIVERSITY—BIOMASS RESEARCH PROJECT (IL)	\$475,750	Weller, Jerry		
Department of Energy	EERE	INTEGRATED POWER FOR MICROSYSTEMS AT ROCHESTER INSTITUTE OF TECHNOLOGY (NY)	\$951,500	Kuhl, Jr., John R. Randy	Schumer	
Department of Energy	EERE	INTEGRATED SUSTAINABILITY INITIATIVE (NV)	\$951,500		Reid	
Department of Energy	EERE	INTELLIGENT CONTROLS FOR NET-ZERO ENERGY BUILDINGS (NE)	\$475,750	Fortenberry, Jeff	Ben Nelson, Hagel	
Department of Energy	EERE	INTELLIGENT FACADES FOR HIGH PERFORMANCE GREEN BUILDINGS (NY)	\$713,625	Gillibrand, Kirsten E.; McNulty, Michael R.		
Department of Energy	EERE	IOWA CENTRAL COMMUNITY COLLEGE RENEWABLE FUELS LAB (IA)	\$475,750	Latham, Tom		
Department of Energy	EERE	IOWA LAKES COMMUNITY COLLEGE SUSTAINABLE ENERGY EDU. CENTER (IA)	\$475,750	Latham, Tom	Grassley	
Department of Energy	EERE	ISLES, INC., SOLAR AND GREEN RETROFITS (NJ)	\$237,875	Smith, Christopher H.		
Department of Energy	EERE	JUNIATA HYBRID LOCOMOTIVE (PA)	\$713,625	Shuster, Bill	Specter	
Department of Energy	EERE	KANSAS BIOFUELS CERTIFICATION LABORATORY (KS)	\$989,560		Brownback	
Department of Energy	EERE	KANSAS STATE UNIVERSITY CENTER FOR SUSTAINABLE ENERGY (KS)	\$713,625	Moran, Jerry	Roberts	
Department of Energy	EERE	KANSAS WIND ENERGY CONSORTIUM (KS)	\$713,625	Boyd, Nancy E.; Moran, Jerry		
Department of Energy	EERE	LA SAMILLA SOLAR TROUGH STORAGE PROJECT (NM)	\$1,903,000		Domenici, Bingaman	
Department of Energy	EERE	LAKE LAND COLLEGE ENERGY EFFICIENT BUILDINGS (IL)	\$1,332,100	Johnson, Timothy V.		
Department of Energy	EERE	LANDFILL GAS UTILIZATION PLANT (NY)	\$1,903,000		Schumer	
Department of Energy	EERE	LEHIGH VALLEY HOSPITAL PHOTOVOLTAIC PANEL INSTALLATION (PA)	\$951,500	Dent, Charles W.		
Department of Energy	EERE	LIGHTWEIGHT COMPOSITES FOR HEAVY-DUTY VEHICLES AND HYDROGEN STORAGE (WV)	\$475,750		Byrd	
Department of Energy	EERE	LOW COST THIN FILMED SILICON BASED PHOTOVOLTAICS (NY)	\$475,750	Hinchey, Maurice D.		
Department of Energy	EERE	MACOMB COMMUNITY COLLEGE TRANSPORTATION AND ENERGY TECHNOLOGY (MI)	\$475,750	Levin, Sander M.		
Department of Energy	EERE	MAINE TIDAL POWER INITIATIVE (ME)	\$951,500	Michaud, Michael H.	Snowe, Collins	
Department of Energy	EERE	MANUFACTURING INDUSTRIAL DEVELOPMENT FOR THE HYDROGEN ECONOMY (MI)	\$761,200	Knollenberg, Joe		
Department of Energy	EERE	MARET CENTER (MO)	\$951,500	Blunt, Roy		
Department of Energy	EERE	MARINE RENEWABLE ENERGY CENTER (MA)	\$951,500	Delahunt, William D.; Frank, Barney; McGovern, James P.; Olver, John W.		
Department of Energy	EERE	MARQUETTE UNIVERSITY ANAEROBIC BIOTECHNOLOGY (WI)	\$475,750	Moore, Gwen		
Department of Energy	EERE	MARTIN COUNTY HYDROGEN FUEL CELL PROJECT (NC)	\$1,427,250	Butterfield, G. K.	Dole, Burr	
Department of Energy	EERE	MIAMI SCIENCE MUSEUM RENEWABLE ENERGY RESEARCH PROJECT (FL)	\$713,625	Ros-Lehtinen, Ileana		
Department of Energy	EERE	MICHIGAN ALTERNATIVE AND RENEWABLE ENERGY CENTER OFFSHORE WIND DEMONSTRATION PROJECT (MI)	\$1,427,250	Hoekstra, Peter		
Department of Energy	EERE	MIDDLESEX COMMUNITY COLLEGE'S GEOTHERMAL PROJECT (MA)	\$237,875	Tierney, John F.		
Department of Energy	EERE	MIDSOUTH/SOUTHEAST BIOENERGY CONSORTIUM (AR, GA)	\$1,903,000	Berry, Marion; Boozman, John; Marshall, Jim	Lincoln, Pryor, Chambliss	
Department of Energy	EERE	MINNESOTA CENTER FOR RENEWABLE ENERGY (MN)	\$713,625	Peterson, Collin C.; Walz, Timothy J.	Coleman, Klobuchar	
Department of Energy	EERE	MODULAR ENERGY STORAGE SYSTEM FOR HYDROGEN FUEL CELL (MI)	\$1,189,375	Knollenberg, Joe	Levin, Stabenow	
Department of Energy	EERE	MULTIFUNCTIONAL SOLAR ENERGY SYSTEMS RESEARCH (UT)	\$1,332,100		Bennett	
Department of Energy	EERE	MUNSTER—WASTE TO ENERGY COGENERATION PROJECT (IN)	\$951,500	Visclosky, Peter J.	Lugar	
Department of Energy	EERE	NANOSTRUCTURED MATERIALS FOR ENERGY (NC)	\$951,500	Miller, Brad	Dole	
Department of Energy	EERE	NANOSTRUCTURED SOLAR CELLS FOR INCREASED EFFICIENCY AND LOWER COST (AR)	\$1,189,375	Snyder, Vic	Lincoln, Pryor	
Department of Energy	EERE	NASI AND NA-SG POWDER HYDROGEN FUEL CELLS (NY, NJ)	\$951,500	Holt, Rush D.; Maloney, Carolyn B.	Lautenberg, Menendez	
Department of Energy	EERE	NATIONAL AGRICULTURE-BASED INDUSTRIAL LUBRICANTS (NABL), BIOMASS (IA)	\$570,900	Braley, Bruce L.	Harkin, Grassley	
Department of Energy	EERE	NATIONAL CENTER FOR MANUFACTURING SCIENCES LIGHTWEIGHT VEHICLE MATERIALS (MI)	\$1,903,000	Dingell, John D.	Levin, Stabenow	
Department of Energy	EERE	NATIONAL WIND ENERGY CENTER (TX)	\$2,378,750	Green, Al; Green, Gene; Jackson-Lee, Sheila	Hutchison	
Department of Energy	EERE	NEVADA INSTITUTE FOR RENEWABLE ENERGY COMMERCIALIZATION (NV)	\$475,750		Reid	
Department of Energy	EERE	NEVADA VIRTUAL RENEWABLE ENERGY INTEGRATION AND DEVELOPMENT CENTER (NV)	\$2,560,418		Reid	
Department of Energy	EERE	NEW SCHOOL GREEN BUILDING (NY)	\$1,903,000	Nadler, Jerrold	Schumer	

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	EERE	NIAGARA RIVER HYDROPOWER (NY)	\$475,750	Slaughter, Louise McIntosh		
Department of Energy	EERE	NORTH CAROLINA CENTER FOR AUTOMOTIVE RESEARCH (NC)	\$475,750		Dole	
Department of Energy	EERE	NOTRE DAME/NISOURCE GEOTHERMAL IONIC LIQUIDS RESEARCH COLLABORATIVE (IN)	\$951,500	Visclosky, Peter J.	Lugar	
Department of Energy	EERE	OHIO ADVANCED ENERGY MANUFACTURING CENTER (OH)	\$951,500		Brown, Voinovich	
Department of Energy	EERE	OMEGA OPTICAL SOLAR POWER GENERATION DEVELOPMENT (VT)	\$1,427,250	Welch, Peter	Leahy	
Department of Energy	EERE	ONE KILOWATT BIOGAS FUELED SOLID OXIDE FUEL CELL STACK (NY)	\$951,500	Higgins, Brian	Schumer	
Department of Energy	EERE	OREGON SOLAR HIGHWAY (OR)	\$951,500	Hooley, Darlene; Wu, David	Wyden, Smith	
Department of Energy	EERE	OU CENTER FOR BIOFUELS REFINING ENGINEERING (OK)	\$713,625	Cole, Tom		
Department of Energy	EERE	PECOS VALLEY BIOMASS ENERGY PROJECT (NM)	\$2,378,750		Domenici, Bingaman	
Department of Energy	EERE	PHOTOVOLTAIC SYSTEM AT TOWN LANDFILL IN ISLIP (NY)	\$475,750	Israel, Steve	Schumer	
Department of Energy	EERE	PINELLAS COUNTY REGIONAL URBAN SUSTAINABILITY DEMONSTRATION AND EDUCATION FACILITY (FL)	\$475,750	Young, C. W. Bill		
Department of Energy	EERE	PITTSBURGH GREEN INNOVATORS SYNERGY CENTER	\$570,900	Doyle, Michael F.		
Department of Energy	EERE	PLACER COUNTY BIOMASS UTILIZATION PILOT PROJECT (CA)	\$1,427,250	Doolittle, John T.	Feinstein	
Department of Energy	EERE	PLUG-IN HYBRID AND ETHANOL RESEARCH PLATFORMS (NC)	\$808,775	Etheridge, Bob		
Department of Energy	EERE	POPE/DOUGLAS THIRD COMBUSTER EXPANSION (MN)	\$951,500	Peterson, Collin C.	Coleman, Klobuchar	
Department of Energy	EERE	PURDUE HYDROGEN TECHNOLOGIES PROGRAM (IN)	\$951,500	Visclosky, Peter J.	Lugar	
Department of Energy	EERE	RENEWABLE ENERGY CENTER (NV)	\$475,750	Heller, Dean; Porter, Jon C.	Reid	
Department of Energy	EERE	RENEWABLE ENERGY CLEAN AIR PROJECT (RECAP) (MN)	\$951,500	Oberstar, James L.	Klobuchar	
Department of Energy	EERE	RENEWABLE ENERGY DEVELOPMENT VENTURE (HI)	\$3,799,205		Inouye	
Department of Energy	EERE	RENEWABLE ENERGY FEASIBILITY STUDY (NJ)	\$475,750	Smith, Christopher H.	Lautenberg, Menendez	
Department of Energy	EERE	RENEWABLE/ALTERNATIVE ENERGY CENTER (FL)	\$951,500	Buchanan, Vern		
Department of Energy	EERE	RENEWABLE/SUSTAINABLE BIOMASS PROJECT (AK)	\$475,750		Murkowski	
Department of Energy	EERE	RHODE ISLAND OCEAN SPECIAL AREA MANAGEMENT PLAN (RI)	\$666,050	Langevin, James R.	Reed, Whitehouse	
Department of Energy	EERE	SAN FRANCISCO BIOFUELS PROGRAM (CA)	\$951,500	Pelosi, Nancy		
Department of Energy	EERE	SANDIA NATIONAL LAB CONCENTRATING SOLAR (NM)	\$2,854,500		Domenici, Bingaman	
Department of Energy	EERE	SAPPHIRE ALGAE TO FUEL DEMONSTRATION PROJECT, PORTALES (NM)	\$951,500	Udall, Tom		
Department of Energy	EERE	SENIOR HOUSING PROJECT GREEN BUILDING, CERRITOS (CA)	\$380,600	Sánchez, Linda T.		
Department of Energy	EERE	SNOHOMISH COUNTY PUD NO. 1 GEOTHERMAL ENERGY STUDY (WA)	\$475,750	Inslee, Jay		
Department of Energy	EERE	SOLAR DEMONSTRATION AND RESEARCH FACILITY (FL)	\$237,875	Brown, Corrine	Martinez	
Department of Energy	EERE	SOLAR ELECTRIC POWER SYSTEM (NY)	\$66,605	Hall, John J.		
Department of Energy	EERE	SOLAR ENERGY WINDOWS AND SMART IR SWITCHABLE BUILDING TECHNOLOGIES (PA)	\$1,189,375	Altmire, Jason; Doyle, Michael F.	Specter	
Department of Energy	EERE	SOLAR LIGHTING DEMONSTRATION PROJECT (NV)	\$761,200	Berkley, Shelley; Porter, Jon C.	Reid	
Department of Energy	EERE	SOLAR PANELS AND ENVIRONMENTAL EDUCATION (NJ)	\$951,500	Payne, Donald M.; Rothman, Steven R.; Sires, Albio	Lautenberg, Menendez	
Department of Energy	EERE	SOLAR PANELS FOR THE HAVERHILL CITIZENS ENERGY EFFICIENCY (MA)	\$237,875	Tsongas, Niki		
Department of Energy	EERE	SOLAR POWER GENERATION (NJ)	\$285,450		Lautenberg	
Department of Energy	EERE	SOLAR THERMAL DEMONSTRATION PROJECT (NV)	\$1,189,375		Reid	
Department of Energy	EERE	SOUTHERN REGIONAL CENTER FOR LIGHTWEIGHT INNOVATIVE DESIGN (MS)	\$3,806,000		Cochran, Wicker	
Department of Energy	EERE	SOUTHWEST ALASKA REGIONAL GEOTHERMAL ENERGY PROJECT (AK)	\$2,854,500		Murkowski	
Department of Energy	EERE	SPRINGFIELD HOSPITAL GREEN BUILDING (OH)	\$3,806,000	Hobson, David L.		
Department of Energy	EERE	ST. CLAIR COMMUNITY COLLEGE (MI)	\$190,300	Miller, Candice S.		

Department of Energy	EERE	ST. PETERSBURG SOLAR PILOT PROJECT (FL)	\$1,427,250	Young, C. W. Bill	Bill Nelson	
Department of Energy	EERE	STAMFORD WASTE TO ENERGY PROJECT (CT)	\$1,903,000	Shays, Christopher	Dodd, Lieberman	
Department of Energy	EERE	STORAGE TANKS AND DISPENSERS FOR E85 AND BIO-DIESEL (IL) (DUPAGE COUNTY, IL)	\$209,330	Roskam, Peter J.		
Department of Energy	EERE	STORAGE TANKS AND DISPENSERS FOR E85 AND BIO-DIESEL (IL) (PEORIA, IL)	\$166,513	LaHood, Ray		
Department of Energy	EERE	STRATEGIC BIOMASS INITIATIVE (MS)	\$475,750		Cochran, Wicker	
Department of Energy	EERE	SUN GRANT INITIATIVE (SD)	\$3,806,000		Johnson, Thune	
Department of Energy	EERE	SUSTAINABLE ENERGY FOR HOMES AND BUSINESSES (VT)	\$713,625		Sanders	
Department of Energy	EERE	SUSTAINABLE ENERGY FOR VERMONT SCHOOLS COMPETITION (VT)	\$856,350		Sanders	
Department of Energy	EERE	SUSTAINABLE ENERGY RESEARCH CENTER (MS)	\$10,466,500	Pickering, Charles W. Chip	Cochran, Wicker	
Department of Energy	EERE	SUSTAINABLE HYDROGEN FUELING STATION, CALIFORNIA STATE UNIVERSITY LOS ANGELES (CA)	\$475,750	Solis, Hilda L.		
Department of Energy	EERE	SUSTAINABLE LAS VEGAS (NV)	\$951,500	Berkley, Shelley	Reid	
Department of Energy	EERE	THE INSTITUTE FOR ENERGY, ENVIRONMENT AND SUSTAINABILITY (KS)	\$713,625		Brownback	
Department of Energy	EERE	THE OHIO STATE UNIVERSITY—OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (OH)	\$380,600	Regula, Ralph		
Department of Energy	EERE	TIDAL ENERGY STUDY (WA)	\$475,750	Inslee, Jay	Murray	
Department of Energy	EERE	TOWN OF MEXICO GEOTHERMAL PROJECT (NY)	\$142,725	McHugh, John M.		
Department of Energy	EERE	TRANSPO BUS OPERATIONS AND MAINTENANCE CENTER, SOUTH BEND (IN)	\$951,500	Donnelly, Joe	Lugar, Bayh	
Department of Energy	EERE	TRANSPORTABLE EMISSIONS TESTING LAB (WV)	\$951,500		Byrd	
Department of Energy	EERE	TRENTON FUEL WORKS CELLULOSIC DIESEL BIOREFINERY (NJ)	\$475,750	Holt, Rush D.; Rothman, Steven R.	Lautenberg, Menendez	
Department of Energy	EERE	TSEC PHOTOVOLTAIC INNOVATION (NY)	\$1,903,000	Hall, John J.; Hinchey, Maurice D.		
Department of Energy	EERE	UNALASKA GEOTHERMAL ENERGY (AK)	\$951,500	Young, Don		
Department of Energy	EERE	UNIVERSITY OF KENTUCKY BIO-FUELS RESEARCH LABORATORY (KY)	\$428,175	Lewis, Ron		
Department of Energy	EERE	UNIVERSITY OF NORTH ALABAMA GREEN CAMPUS INITIATIVE (AL)	\$951,500	Aderholt, Robert B.; Cramer, Jr., Robert E. (Bud)		
Department of Energy	EERE	UNIVERSITY OF SOUTHERN INDIANA ADVANCED MANUFACTURING AND ENGINEERING EQUIP- MENT PROJECT (IN)	\$951,500	Ellsworth, Brad	Lugar, Bayh	
Department of Energy	EERE	URBAN WOOD-BASED BIO-ENERGY SYSTEM IN SEATTLE (WA)	\$475,750	Inslee, Jay; McDermott, Jim		
Department of Energy	EERE	USD CATALYSIS GROUP FOR ALTERNATIVE ENERGY (DE)	\$1,046,650		Johnson, Thune	
Department of Energy	EERE	VERMONT BIOFUELS INITIATIVE (VT)	\$1,427,250		Leahy	
Department of Energy	EERE	WATER-TO-WATER HEAT PUMP CHILLERS, PHOENIX CHILDREN (AZ)	\$1,951,717	Pastor, Ed		
Department of Energy	EERE	WAVE ENERGY RESEARCH AND DEMONSTRATION CENTER (OR)	\$2,331,175	Blumenauer, Earl; DeFazio, Peter A.; Hooley, Darlene; Walden, Greg; Wu, David	Wyden, Smith	
Department of Energy	EERE	WESTERN MASSACHUSETTS COLLABORATIVE WIND PROJECT (MA)	\$1,189,375	Olver, John W.		
Department of Energy	EERE	WIND TURBINE ELECTRIC HIGH-SPEED SHAFT BRAKE PROJECT (OH)	\$475,750	Sutton, Betty	Voinovich, Brown	
Department of Energy	EERE	WIND TURBINE MODEL AND PILOT PROJECT FOR ALTERNATIVE ENERGY (DE)	\$1,427,250		Biden, Carper	
Department of Energy	EERE	WINOOSKI COMMUNITY GREENING PROJECT (VT)	\$114,180	Welch, Peter		
Department of Energy	EERE	WISDOM WAY SOLAR VILLAGE (MA)	\$570,900	Olver, John W.		
Department of Energy	EERE	WOODY BIOMASS PROJECT AT SUNY-ESF (NY)	\$713,625	Walsh, James T.	Schumer	
Department of Energy	Electricity Delivery and Energy Reliability	ALTERNATE FUEL FOR CEMENT PROCESSING (AL)	\$1,427,250		Shelby	
Department of Energy	Electricity Delivery and Energy Reliability	BISMARCK STATE COLLEGE CENTER OF EXCELLENCE LABORATORIES (ND)	\$2,188,450		Dorgan	
Department of Energy	Electricity Delivery and Energy Reliability	DEVELOPMENT OF TOROIDAL CORE TRANSFORMERS (NY)	\$951,500	Towns, Edolphus	Schumer	
Department of Energy	Electricity Delivery and Energy Reliability	ENERGY DEVELOPMENT AND RELIABILITY (ND)	\$285,450		Dorgan	
Department of Energy	Electricity Delivery and Energy Reliability	ENERGY TECHNOLOGIES RESEARCH AND EDUCATION INITIATIVE (NM)	\$951,500	Pearce, Stevan	Bingaman	

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	Electricity Delivery and Energy Reliability	FEASIBILITY STUDY OF CONNECTING THE ST. THOMAS-ST. JOHN AND ST. CROIX ELECTRICITY GRIDS (VI)	\$475,750	Christensen, Donna M.		
Department of Energy	Electricity Delivery and Energy Reliability	HIGH VOLTAGE TRANSMISSION LINES—PHASE II (TN)	\$475,750	Gordon, Bart		
Department of Energy	Electricity Delivery and Energy Reliability	INTEGRATED DISTRIBUTION MANAGEMENT SYSTEM (AL)	\$2,854,500	Aderholt, Robert B.; Cramer, Jr., Robert E. (Bud)	Shelby	
Department of Energy	Electricity Delivery and Energy Reliability	IOWA STORED ENERGY PLANT (IA)	\$1,427,250	Latham, Tom	Harkin	
Department of Energy	Electricity Delivery and Energy Reliability	LONG ISLAND SMART METERING PILOT PROJECT (NY)	\$713,625	Israel, Steve		
Department of Energy	Electricity Delivery and Energy Reliability	MICROGRIDS FOR COLONIAS (TX)	\$475,750	Cuellar, Henry		
Department of Energy	Electricity Delivery and Energy Reliability	NATIONAL CENTER FOR RELIABLE ELECTRIC POWER TRANSMISSION (NCREPT) (AR)	\$475,750	Boozman, John	Lincoln, Pryor	
Department of Energy	Electricity Delivery and Energy Reliability	NAVAJO ELECTRIFICATION DEMONSTRATION PROGRAM (NM)	\$1,903,000	Udall, Tom	Domenici, Bingaman	
Department of Energy	Electricity Delivery and Energy Reliability	NORTH DAKOTA ENERGY WORKFORCE DEVELOPMENT (ND)	\$1,807,850		Dorgan	
Department of Energy	Electricity Delivery and Energy Reliability	POWER GRID RELIABILITY AND SECURITY (WA)	\$951,500	Smith, Adam	Murray, Cantwell	
Department of Energy	Electricity Delivery and Energy Reliability	RED RIVER VALLEY RESEARCH CORRIDOR TECHNOLOGY DEVELOPMENT (ND)	\$380,600		Dorgan	
Department of Energy	Electricity Delivery and Energy Reliability	SAN MATEO COUNTY SOLAR GENESIS PROJECT (CA)	\$1,427,250		Boxer	
Department of Energy	Electricity Delivery and Energy Reliability	SMARTGRID INTEGRATION LAB (CO)	\$475,750	Perlmutter, Ed	Salazar, Allard	
Department of Energy	Nuclear Energy	TECHNOLOGIES VENTURES CORPORATION (NM)	\$2,854,500		Domenici	
Department of Energy	Fossil Energy R&D	ARCTIC ENERGY OFFICE (AK)	\$3,806,000		Murkowski	
Department of Energy	Fossil Energy R&D	CENTER FOR ZERO EMISSIONS RESEARCH AND TECHNOLOGY (MT)	\$5,709,000	Rehberg, Dennis R.	Baucus, Tester	
Department of Energy	Fossil Energy R&D	CO2 CAPTURE/SEQUESTRATION RESEARCH (PA)	\$475,750		Casey	
Department of Energy	Fossil Energy R&D	DIRECT METHANOL FUEL CELL (IN)	\$951,500	Visclosky, Peter J.		
Department of Energy	Fossil Energy R&D	FOSSIL FUEL RESEARCH & DEVELOPMENT (ND)	\$3,806,000	Pomeroy, Earl	Dorgan	
Department of Energy	Fossil Energy R&D	FUEL CELL TECH FOR CLEAN COAL POWER PLANTS (OH)	\$1,427,250	Ryan, Tim; Sutton, Betty	Voinovich	
Department of Energy	Fossil Energy R&D	GULF OF MEXICO HYDRATES RESEARCH CONSORTIUM	\$1,141,800	Childers, Travis	Cochran, Wicker	
Department of Energy	Fossil Energy R&D	ITM REACTION-DRIVEN CERAMIC MEMBRANE SYSTEMS (PA)	\$951,500	Dent, Charles W.	Specter	
Department of Energy	Fossil Energy R&D	LONG TERM ENVIRONMENTAL AND ECONOMIC IMPACTS OF THE DEVELOPMENT OF A COAL LIQUEFACTION SECTOR IN CHINA (WV)	\$475,750		Byrd	
Department of Energy	Fossil Energy R&D	METHANOL ECONOMY (CA)	\$1,903,000	Watson, Diane E.		
Department of Energy	Fossil Energy R&D	MULTI-POLLUTANT REMOVAL AND ADVANCED MULTI-POLLUTANT REMOVAL AND ADVANCED CARBON CAPTURE AND STORAGE PROJECTS USING ECO TECHNOLOGY (OH)	\$951,500	Wilson, Charles A.	Voinovich	
Department of Energy	Fossil Energy R&D	MULTI-YEAR DEMONSTRATION OF CARBON SEQUESTRATION IN A DEEP SALINE RESERVOIR (CO)	\$1,427,250		Salazar, Allard	
Department of Energy	Fossil Energy R&D	NATIONAL CENTER FOR HYDROGEN TECHNOLOGY (ND)	\$2,854,500	Pomeroy, Earl	Dorgan	
Department of Energy	Fossil Energy R&D	PILOT ENERGY COST CONTROL EVALUATION (PECCE) PROJECT (WVA, PA & IN)	\$2,355,914	Visclosky, Peter J.		
Department of Energy	Fossil Energy R&D	REFINING CAPACITY STUDY (ND)	\$475,750		Dorgan	
Department of Energy	Fossil Energy R&D	ROLLS ROYCE SOLID OXIDE FUEL CELL SYSTEMS DEVELOPMENT (OH)	\$1,284,525	Regula, Ralph	Voinovich, Brown	
Department of Energy	Fossil Energy R&D	SHALE OIL UPGRADING UTILIZING IONIC CONDUCTIVE MEMBRANES (UT)	\$2,188,450		Hatch, Bennett	
Department of Energy	Fossil Energy R&D	SOLID OXIDE FUEL CELLS (PA)	\$1,903,000		Specter	

Department of Energy	Fossil Energy R&D	THE CENTER FOR ADVANCED SEPARATION TECHNOLOGY (KY)	\$2,854,500	Boucher, Rick; Moran, James P.	McConnell, Warner, Webb	
Department of Energy	Fossil Energy R&D	UNIVERSITY OF KENTUCKY COAL-DERIVED LOW ENERGY MATERIALS FOR SUSTAINABLE CON- STRUCTION PROJECT (KY)	\$951,500	Davis, Geoff	McConnell, Bunning	
Department of Energy	Fossil Energy R&D	UNIVERSITY OF KENTUCKY STRATEGIC LIQUID TRANSPORTATION FUELS DERIVED FROM COAL (KY)	\$1,379,675	Davis, Geoff; Rogers, Harold	Bunning	
Department of Energy	Fossil Energy R&D	UTAH CENTER FOR ULTRA CLEAN COAL UTILIZATION & HEAVY OIL RESEARCH (UT)	\$4,757,500	Matheson, Jim	Bennett	
Department of Energy	Fossil Energy R&D	VERSAILLES BOROUGH STRAY GAS MITIGATION	\$380,600	Doyle, Michael F.		
Department of Energy	Fossil Energy R&D	WYOMING CO2 SEQUESTRATION TESTING PROGRAM (WY)	\$856,350	Cubin, Barbara	Enzi, Barrasso	
Department of Energy	Non-Defense Environmental Cleanup	BIOINFORMATICS AND COMPUTATIONAL BIOLOGY INITIATIVE (KY)	\$951,500		McConnell	
Department of Energy	Non-Defense Environmental Cleanup	SOUTHWEST EXPERIMENTAL FAST OXIDE REACTOR DECOMMISSIONING (AR)	\$1,903,000		Lincoln, Pryor	
Department of Energy	Non-Defense Environmental Cleanup	WESTERN ENVIRONMENTAL TECHNOLOGY OFFICE (MT)	\$1,903,000	Rehberg, Dennis R.	Tester	
Department of Energy	Science	ADVANCED ARTIFICIAL SCIENCE AND ENGINEERING RESEARCH INFRASTRUCTURE (TX)	\$380,600	Hall, Ralph M.		
Department of Energy	Science	ALVERNIA COLLEGE SCIENTIFIC INSTRUMENTATION INITIATIVE (PA)	\$570,900	Gerlach, Jim		
Department of Energy	Science	ANTIBODIES RESEARCH (ND)	\$2,616,625	Pomeroy, Earl	Dorgan	
Department of Energy	Science	BARRY UNIVERSITY INSTITUTE FOR COLLABORATIVE SCIENCES RESEARCH (FL)	\$761,200	Diaz-Balart, Lincoln; Diaz-Balart, Mario	Bill Nelson	
Department of Energy	Science	BIONANOTECHNOLOGY: RESEARCH AND COMMERCIALIZATION (LA)	\$1,427,250	Alexander, Rodney	Landrieu, Vitter	
Department of Energy	Science	BIOTECHNOLOGY/FORENSICS LABORATORY (UT)	\$475,750	Cannon, Chris	Hatch, Bennett	
Department of Energy	Science	BRONX COMMUNITY COLLEGE CENTER FOR SUSTAINABLE ENERGY (NY)	\$475,750	Serrano, José		
Department of Energy	Science	BROWN UNIVERSITY, BROWN ENERGY INITIATIVE (RI)	\$951,500	Kennedy, Patrick J.		
Department of Energy	Science	CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO TWIN TOWER PROJECT (CA)	\$570,900	Baca, Joe		
Department of Energy	Science	CENTER FOR ADVANCED SCIENTIFIC COMPUTING AND MODELING (TX)	\$700,304	Burgess, Michael C.		
Department of Energy	Science	CENTER FOR CATALYSIS AND SURFACE SCIENCE AT NORTHWESTERN UNIVERSITY (IL)	\$951,500	Lipinski, Daniel		
Department of Energy	Science	CENTER FOR DIAGNOSTIC NANOSYSTEMS (WV)	\$1,903,000		Byrd	
Department of Energy	Science	CENTER FOR NANOMEDICINE AND CELLULAR DELIVERY, SCHOOL OF PHARMACY (MD)	\$713,625		Mikulski	
Department of Energy	Science	CENTER OF EXCELLENCE AND HAZARDOUS MATERIALS (NM)	\$1,903,000	Pearce, Stevan	Domenici	
Department of Energy	Science	CHEMISTRY BUILDING RENOVATION (MI)	\$475,750	Conyers, Jr., John; Kilpatrick, Carolyn C.	Levin	
Department of Energy	Science	CLEMSON UNIVERSITY CYBERINSTITUTE (SC)	\$1,427,250	Inglis, Bob; Spratt, Jr., John M.		
Department of Energy	Science	CLIMATE CHANGE MODELING CAPABILITY (NM)	\$4,757,500		Domenici	
Department of Energy	Science	CLINTON JUNIOR COLLEGE SCIENCE PROGRAM (SC)	\$380,600	Spratt, Jr., John M.		
Department of Energy	Science	COLLABORATIVE INITIATIVE IN BIOMEDICAL IMAGING (NC)	\$1,427,250	Hayes, Robin; Price, David E.	Dole, Burr	
Department of Energy	Science	CONTRAST MEDIA AND WOUND CLOSURE REDUCTION STUDY (MS)	\$618,475		Cochran	
Department of Energy	Science	CURRICULUM AND INFRASTRUCTURE ENHANCEMENT IN STEM (PA)	\$475,750	Sestak, Joe		
Department of Energy	Science	DECISION SUPPORT TOOLS FOR COMPLEX ANALYSIS (DSTCA) (OH)	\$1,427,250	Hobson, David L.		
Department of Energy	Science	EASTERN KENTUCKY UNIVERSITY EQUIPMENT FOR NEW SCIENCE BUILDING (KY)	\$951,500	Chandler, Ben		
Department of Energy	Science	FACILITATING BLOOD-BRAIN BARRIER RESEARCH (WA)	\$1,427,250	McDermott, Jim; Smith, Adam	Murray, Cantwell	
Department of Energy	Science	FORMER WORKERS MEDICAL SURVEILLANCE PROGRAMS (IA)	\$951,500	Loebsock, David	Harkin, Grassley	
Department of Energy	Science	FUNCTIONAL MRI RESEARCH (VT)	\$1,189,375		Leahy	
Department of Energy	Science	FUSION ENERGY SPHEROMAK TURBULENT PLASMA EXPERIMENT (FL)	\$951,500	Meek, Kendrick B.	Bill Nelson	
Department of Energy	Science	GEORGE MASON UNIVERSITY—NATIONAL CENTER FOR BIODEFENSE AND INFECTIOUS DIS- EASE (VA)	\$1,427,250	Davis, Tom; Moran, James P.		
Department of Energy	Science	HOFSTRA UNIVERSITY CENTER FOR CLIMATE STUDY (NY)	\$475,750	McCarthy, Carolyn		
Department of Energy	Science	IDAHO ACCELERATOR CENTER PRODUCTION OF MEDICAL ISOTOPES (ID)	\$951,500	Simpson, Michael K.	Craig	
Department of Energy	Science	IDAHO NATIONAL LABORATORY CENTER FOR ADVANCED ENERGY STUDIES (ID)	\$2,498,639	Simpson, Michael K.	Craig, Crapo	
Department of Energy	Science	INSTITUTE FOR INTEGRATED SCIENCES AT BOSTON COLLEGE (MA)	\$2,378,750	Markey, Edward J.; Oliver, John W.		

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	Science	INSTRUMENTATION AND CONSTRUCTION COSTS FOR THREE STUDENT INDEPENDENT RE-RESEARCH LABS DEDICATED TO BIOLOGY, CHEMISTRY AND BIOCHEMISTRY, AND PHYSICS AT ALBRIGHT COLLEGE IN READING (PA)	\$380,600	Gerlach, Jim		
Department of Energy	Science	INTERMOUNTAIN CENTER FOR RIVER RESTORATION AND REHABILITATION (UT)	\$570,900		Bennett	
Department of Energy	Science	LARGE SCALE APPLICATION OF SINGLE-WALLED CARBON NANOTUBES (OK)	\$951,500	Cole, Tom		
Department of Energy	Science	LUTHER COLLEGE SCIENCE BLDG. RENOVATION PROJECT (IA)	\$951,500	Latham, Tom	Grassley	
Department of Energy	Science	MARINE SYSTEMS RESEARCH (MA)	\$475,750		Kennedy, Kerry	
Department of Energy	Science	MARYGROVE COLLEGE MATTERS (MI)	\$190,300	Conyers, Jr., John		
Department of Energy	Science	MATERIALS AND ENERGY RESEARCH DEVELOPMENT (LA)	\$951,500	Jefferson, William J.	Landrieu	
Department of Energy	Science	MATTER-RADIATION INTERACTIONS IN EXTREMES (NM)	\$6,660,500		Domenici, Bingaman	
Department of Energy	Science	MICHIGAN GEOLOGICAL CARBON SEQUESTRATION RESEARCH AND EDUCATION PROGRAM (MI)	\$618,475	Upton, Fred		
Department of Energy	Science	MIND INSTITUTE (NM)	\$11,418,000		Domenici, Bingaman	
Department of Energy	Science	NATIONAL BIOREPOSITORY-NATIONWIDE CHILDREN'S HOSPITAL (OH)	\$713,625	Pryce, Deborah	Voinovich, Brown	
Department of Energy	Science	NEUROSCIENCE RESEARCH (IL)	\$475,750	Davis, Danny K.	Durbin	
Department of Energy	Science	NEXT GENERATION NEUROIMAGING AT CLEVELAND CLINIC (OH)	\$475,750	Hobson, David L.; Jones, Stephanie Tubbs	Voinovich	
Department of Energy	Science	NORTH DAKOTA STATE UNIVERSITY COMPUTING CAPABILITY (ND)	\$5,709,000	Pomeroy, Earl	Dorgan	
Department of Energy	Science	PIONEER VALLEY LIFE SCIENCES INSTITUTE BIOMEDICAL RESEARCH (MA)	\$475,750	Neal, Richard E.; Olver, John W.	Kennedy, Kerry	
Department of Energy	Science	PROFESSIONAL SCIENCE MASTER'S ADVANCED ENERGY AND FUELS MANAGEMENT PROGRAM (IL)	\$428,175	Costello, Jerry F.		
Department of Energy	Science	PURDUE CALUMET INLAND WATER INSTITUTE (IN)	\$951,500	Visclosky, Peter J.		
Department of Energy	Science	RAPID DETECTION OF CONTAMINANTS IN WATER SUPPLIES USING MAGNETIC RESONANCE AND NANOPARTICLES (MA)	\$1,427,250	Capuano, Michael E.		
Department of Energy	Science	REGENERATIVE MEDICINE (IL)	\$475,750		Durbin	
Department of Energy	Science	RESEARCH INTO PROTON BEAM THERAPY (WA)	\$1,427,250	McDermott, Jim	Murray	
Department of Energy	Science	RNAI RESEARCH, UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL, WORCESTER (MA)	\$951,500	McGovern, James P.; Olver, John W.		
Department of Energy	Science	SANDIA NANOTECHNOLOGY ENGINEERING CENTER (NM)	\$4,757,500		Domenici	
Department of Energy	Science	SCANNING NEAR-FIELD ULTRASOUND HOLOGRAPHY (SNFUH) INSTRUMENTATION FOR NON-INVASIVE AND NON-DESTRUCTIVE IMAGING OF NANOPARTICLE INTERACTION WITH CELLS (IL)	\$951,500	Lipinski, Daniel		
Department of Energy	Science	SCIENCE EDUCATION FACILITY RENOVATIONS, OCU (OH)	\$951,500	Hobson, David L.		
Department of Energy	Science	SCIENCE, MATH, AND TECHNOLOGY EDUCATION INITIATIVE, COLLEGE OF ST. ELIZABETH (NJ)	\$475,750	Frelinghuysen, Rodney P.		
Department of Energy	Science	SOUTHERN METHODIST UNIVERSITY ADVANCED PARALLEL PROCESSING CENTER (TX)	\$951,500	Sessions, Pete		
Department of Energy	Science	SPECT IMAGING INSTRUMENTATION RESEARCH INITIATIVE (IL)	\$951,500	Davis, Danny K.		
Department of Energy	Science	ST. THOMAS UNIVERSITY U-CORTE (FL)	\$570,900	Diaz-Balart, Lincoln		
Department of Energy	Science	SUPERCAPACITORS (NY)	\$1,427,250		Schumer	
Department of Energy	Science	SUSTAINABLE BIOFUELS DEVELOPMENT CENTER (CO)	\$1,427,250		Salazar	
Department of Energy	Science	THE NATIONAL ENERGY POLICY INSTITUTE, UNIVERSITY OF TULSA (OK)	\$713,625	Sullivan, John	Inhofe	
Department of Energy	Science	ULTRA-DENSE PORPHYRIM-BASED CAPACITIVE MOLECULAR MEMORY FOR SUPERCOMPUTING (CO)	\$951,500	Tancredo, Thomas G.	Allard	
Department of Energy	Science	UMASS INTEGRATIVE SCIENCE BUILDING (MA)	\$1,903,000	Olver, John W.		
Department of Energy	Science	UNIVERSITY OF THE CUMBERLANDS SCIENCE & TECHNOLOGY COMPLEX (KY)	\$951,500	Rogers, Harold		
Department of Energy	Science	URI CYBERINFRASTRUCTURE (RI)	\$951,500	Langevin, James R.		
Department of Energy	Science	WHITTIER COLLEGE SCIENCE AND MATHEMATICS INITIATIVE (CA)	\$475,750	Sánchez, Linda T.		

Department of Energy	Nuclear Waste Disposal	COOPERATIVE AGREEMENT BETWEEN THE DEPARTMENT OF ENERGY AND INYO COUNTY (CA)	\$1,522,400		Feinstein	
Department of Energy	Nuclear Waste Disposal	INYO COUNTY AFFECTED UNIT OF LOCAL GOVERNMENT (CA)	\$333,025		Feinstein	
Department of Energy	NNSA- Weapons Activities	ADVANCED ENGINEERING ENVIRONMENT FOR SANDIA NATIONAL LAB (MA)	\$1,427,250	Lynch, Stephen F.		
Department of Energy	NNSA- Weapons Activities	ARROWHEAD CENTER (NM)	\$951,500		Domenici	
Department of Energy	NNSA- Weapons Activities	CENTER FOR COMPUTATIONAL SIMULATION AND VISUALIZATION (IN)	\$4,757,500	Visclosky, Peter J.		
Department of Energy	NNSA- Weapons Activities	CYBER SECURITY—CIMTRAK—IN (IN)	\$951,500	Visclosky, Peter J.		
Department of Energy	NNSA- Weapons Activities	DISTRIBUTED DATA DRIVEN TEST ENVIRONMENT (OH)	\$3,330,250	Hobson, David L.		
Department of Energy	NNSA- Weapons Activities	ELECTRONIC RECORD FOR WORKER SAFETY AND HEALTH (NV)	\$1,427,250		Reid	
Department of Energy	NNSA- Weapons Activities	LABORATORY FOR ADVANCED LASER-TARGET INTERACTIONS (OH)	\$2,378,750	Hobson, David L.	Voinovich	
Department of Energy	NNSA- Weapons Activities	MATTER-RADIATION INTERACTIONS IN EXTREMES (MARIE) (NM)	\$951,500	Udall, Tom		
Department of Energy	NNSA- Weapons Activities	MULTI-DISCIPLINED INTEGRATED COLLABORATIVE ENVIRONMENT (MDICE) (MO)	\$951,500	Cleaver, Emanuel		
Department of Energy	NNSA- Weapons Activities	RENEWABLE ENERGY PLANNING (NV)	\$475,750		Reid	
Department of Energy	NNSA- Weapons Activities	RESTORE MANHATTAN PROJECT SITES (NM)	\$475,750		Domenici	
Department of Energy	NNSA- Weapons Activities	SECURE ADVANCED SUPERCOMPUTING PLATFORM AT NEXTEDGE (OH)	\$3,806,000	Hobson, David L.		
Department of Energy	NNSA- Weapons Activities	TECHNICAL PRODUCT DATA INITIATIVE (OH)	\$951,500	Hobson, David L.		
Department of Energy	NNSA- Defense Nuclear Non-proliferation	NUCLEAR SECURITY SCIENCE AND POLICY INSTITUTE (TX)	\$1,903,000	Edwards, Chet		
Department of Energy	NNSA- Office of the Administrator	ACE PROGRAM AT MARICOPA COUNTY COMMUNITY COLLEGES (AZ)	\$951,500	Pastor, Ed		
Department of Energy	NNSA- Office of the Administrator	CENTRAL STATE UNIVERSITY (OH)	\$1,427,250	Hobson, David L.		
Department of Energy	NNSA- Office of the Administrator	EAA HBCU GRADUATE PROGRAM (PA)	\$4,757,500	Fattah, Chaka		
Department of Energy	NNSA- Office of the Administrator	HISTORICALLY BLACK COLLEGE AND UNIVERSITIES SCIENCE ENHANCEMENT PROGRAM (SC)	\$9,990,750	Clyburn, James E.		
Department of Energy	NNSA- Office of the Administrator	MARSHALL FUND, MINORITY ENERGY SCIENCE INITIATIVE (NC, NY, TX, MD)	\$2,854,500	Butterfield, G. K.; Cummings, Elijah E.; Hoyer, Steny H.; Jackson-Lee, Sheila; Johnson, Eddie Bernice; Towns, Edolphus		
Department of Energy	NNSA- Office of the Administrator	MOREHOUSE COLLEGE MINORITY ENERGY SCIENCE RESEARCH AND EDUCATION INITIATIVE (GA)	\$1,903,000	Bishop, Jr., Sanford D.; Johnson, Jr., Henry C. Hank; Lewis, John; Marshall, Jim; Scott, David	Chambliss	
Department of Energy	NNSA- Office of the Administrator	WILBERFORCE UNIVERSITY (OH)	\$1,427,250	Hobson, David L.		
Department of Energy	Defense Environmental Cleanup	CHARACTERISTICS AND CLEAN-UP OF US NUCLEAR LEGACY (MS)	\$3,806,000		Cochran, Wicker	
Department of Energy	Defense Environmental Cleanup	MIAMISBURG MOUND, OU-1 (OH)	\$4,757,500	Turner, Michael R.		
Department of Energy	Defense Environmental Cleanup	TESTING OF POLYMERIC HYDROGELS FOR RADIATION DECONTAMINATION (HI)	\$1,617,550	Abercrombie, Neil; Hirono, Mazie K.		
Department of Energy	Defense Environmental Cleanup	THE INTERNATIONAL ALTERNATIVE CLEAN-UP TECHNOLOGY AGREEMENT (PA)	\$2,854,500	Doyle, Michael F.		
Department of Energy	Defense Environmental Cleanup	WATER RESOURCES DATA, MODELING, AND VISUALIZATION CENTER (NV)	\$1,066,841	Berkley, Shelley; Porter, Jon C.	Reid	
Department of Energy	Defense Environmental Cleanup	WIPP RECORDS ARCHIVE (NM)	\$3,806,000	Pearce, Stevan	Domenici, Bingaman	
Department of Energy	Other Defense Activities	MEDICAL MONITORING AT PADUCAH, KY, PORTSMOUTH, OH, AND OAK RIDGE, TN (KY)	\$999,075	Whitfield, Ed	McConnell	

ENERGY AND WATER DEVELOPMENT APPROPRIATIONS BILL - 2009
(Amounts in thousands)

	FY 2008 Enacted	FY 2009 Request	This Bill	This Bill vs. Enacted	This Bill vs. Request
TITLE I - DEPARTMENT OF DEFENSE - CIVIL					
DEPARTMENT OF THE ARMY					
Corps of Engineers - Civil					
Investigations.....	167,261	91,000	168,100	+839	+77,100
Rescissions.....	-100	---	---	+100	---
Total, Investigations.....	167,161	91,000	168,100	+939	+77,100
Construction.....	2,294,029	1,402,000	2,141,677	-152,352	+739,677
Rescissions.....	-4,688	---	---	+4,688	---
Total, Construction.....	2,289,341	1,402,000	2,141,677	-147,664	+739,677
Mississippi River and tributaries.....	387,402	240,000	383,823	-3,579	+143,823
Operations and Maintenance.....	2,243,637	2,475,000	2,201,900	-41,737	-273,100
Regulatory program.....	180,000	180,000	183,000	+3,000	+3,000
FUSRAP.....	140,000	130,000	140,000	---	+10,000
Flood control and coastal emergencies.....	---	40,000	---	---	-40,000
Expenses.....	175,046	177,000	179,365	+4,319	+2,365
Office of Assistant Secretary of the Army (Civil Works).....	4,500	6,000	4,500	---	-1,500
Total, title I, Department of Defense - Civil... Appropriations.....	5,587,087 (5,591,875)	4,741,000 (4,741,000)	5,402,365 (5,402,365)	-184,722 (-189,510)	+661,365 (+661,365)
Rescissions.....	(-4,788)	---	---	(+4,788)	---
TITLE II - DEPARTMENT OF THE INTERIOR					
Central Utah Project Completion Account					
Central Utah project construction.....	40,404	39,373	39,373	-1,031	---
Fish, wildlife, and recreation mitigation and conservation.....	976	987	987	+11	---
Subtotal.....	41,380	40,360	40,360	-1,020	---
Program oversight and administration.....	1,620	1,640	1,640	+20	---
Total, Central Utah project completion account..	43,000	42,000	42,000	-1,000	---
Bureau of Reclamation					
Water and related resources.....	949,882	779,320	920,259	-29,623	+140,939
Rescission.....	---	-175,000	---	---	+175,000
Subtotal, Water and related resources.....	949,882	604,320	920,259	-29,623	+315,939
Central Valley project restoration fund.....	59,122	56,079	56,079	-3,043	---
California Bay-Delta restoration.....	40,098	32,000	40,000	-98	+8,000
Policy and administration.....	58,811	59,400	59,400	+589	---
Total, Bureau of Reclamation.....	1,107,913	751,799	1,075,738	-32,175	+323,939
Total, title II, Department of the Interior..... Appropriations.....	1,150,913 (1,150,913)	793,799 (968,799)	1,117,738 (1,117,738)	-33,175 (-33,175)	+323,939 (+148,939)
Rescissions.....	---	(-175,000)	---	---	(+175,000)
TITLE III - DEPARTMENT OF ENERGY					
Energy Programs					
Energy efficiency and renewable energy.....	1,722,407	1,255,393	1,928,540	+206,133	+673,147
Electricity delivery and energy reliability.....	138,558	134,000	137,000	-1,558	+3,000
Nuclear energy.....	961,865	853,644	792,000	-169,865	-61,644
(Reallocation from Energy supply and conservation)	(682,877)	---	---	(-682,877)	---
(Reallocation from Nuclear nonproliferation).....	(278,789)	---	---	(-278,789)	---
Office of Legacy Management.....	33,872	---	---	-33,872	---
Clean coal technology:					
Deferral of unobligated balances, FY 2008.....	257,000	---	---	-257,000	---
Deferral of unobligated balances, FY 2009.....	-149,000	149,000	149,000	+298,000	---
Transfer to Fossil Energy R&D.....	-164,489	-149,000	-149,000	+15,489	---
Total, Clean coal technology.....	-56,489	---	---	+56,489	---

ENERGY AND WATER DEVELOPMENT APPROPRIATIONS BILL - 2009
(Amounts in thousands)

	FY 2008 Enacted	FY 2009 Request	This Bill	This Bill vs. Enacted	This Bill vs. Request
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Fossil Energy Research and Development.....	578,349	605,030	727,320	+148,971	+122,290
Transfer from Clean Coal Technology.....	164,489	149,000	149,000	-15,489	---
Subtotal, Fossil Energy Research and Development	742,838	754,030	876,320	+133,482	+122,290
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Naval Petroleum and Oil Shale Reserves.....	20,272	19,099	19,099	-1,173	---
Strategic petroleum reserve.....	186,757	344,000	205,000	+18,243	-139,000
Northeast home heating oil reserve.....	12,335	9,800	9,800	-2,535	---
Energy Information Administration.....	95,460	110,595	110,595	+15,135	---
Non-defense environmental clean up.....	182,263	213,411	261,819	+79,556	+48,408
Uranium enrichment decontamination and decommissioning fund.....	622,162	480,333	535,503	-86,659	+55,170
Science.....	4,017,711	4,721,969	4,772,636	+754,925	+50,667
Nuclear Waste Disposal.....	187,269	247,371	145,390	-41,879	-101,981
Innovative Technology Loan Guarantee Program.....	5,450	19,880	19,880	+14,430	---
Offsetting collection.....	-991	-19,880	-19,880	-18,889	---
Proposed change in subsidy cost.....	---	355,000	440,000	+440,000	+85,000
(P.L. 110-161):					
Current year advance appropriation.....	42,000	---	---	-42,000	---
Advance appropriation from previous years.....	---	25,000	25,000	+25,000	---
Subtotal, Innovative Technology Guarantee Pgm...	46,459	380,000	465,000	+418,541	+85,000
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Departmental administration.....	309,662	272,144	272,643	-37,019	+499
Miscellaneous revenues.....	-161,247	-117,317	-117,317	+43,930	---
Net appropriation.....	148,415	154,827	155,326	+6,911	+499
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Office of the Inspector General.....	46,057	51,927	51,927	+5,870	---
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Atomic Energy Defense Activities					
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National Nuclear Security Administration:					
Weapons activities.....	6,297,466	6,818,079	6,380,000	+82,534	-238,079
Rescissions.....	---	---	---	---	---
Subtotal, Weapons activities.....	6,297,466	6,818,079	6,380,000	+82,534	-238,079
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Defense nuclear nonproliferation.....	1,857,996	1,247,048	1,482,350	-175,648	+235,302
(Reallocation to Nuclear energy).....	(-281,249)	---	---	(+281,249)	---
Rescissions.....	-322,000	---	---	+322,000	---
Subtotal, Defense nuclear nonproliferation..	1,335,996	1,247,048	1,482,350	+146,354	+235,302
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Naval reactors.....	774,686	828,054	828,054	+53,368	---
Office of the Administrator.....	402,137	404,081	439,190	+37,053	+35,109
Subtotal, National Nuclear Security Administration.....	8,810,285	9,097,262	9,129,594	+319,309	+32,332
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Defense environmental cleanup.....	5,349,325	5,297,256	5,657,250	+307,925	+359,994
Other defense activities.....	754,359	1,313,461	1,314,063	+559,704	+602
Defense nuclear waste disposal.....	199,171	247,371	143,000	-56,171	-104,371
Total, Atomic Energy Defense Activities.....	15,113,140	15,955,350	16,243,907	+1,130,767	+288,557
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Power Marketing Administrations					
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Operation and maintenance, Southeastern Power Administration.....	54,817	56,940	56,940	+2,123	---
Offsetting collection.....	-48,413	-49,520	-49,520	-1,107	---
Subtotal, O&M, Southeastern Power Administration	6,404	7,420	7,420	+1,016	---
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Operation and maintenance, Southwestern Power Administration.....	65,165	63,414	63,414	-1,751	---
Offsetting collection.....	-35,000	-35,000	-35,000	---	---
Subtotal, O&M, Southwestern Power Administration	30,165	28,414	28,414	-1,751	---
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Construction, rehabilitation, operation and maintenance, Western Area Power Administration.....	541,546	524,630	624,830	+83,284	+100,000
Offsetting collection.....	-308,702	-328,118	-403,118	-94,416	-75,000
Offsetting collection Colorado River Dam Fund.....	-3,937	-3,366	-3,366	+571	---
Subtotal, O&M, Western Area Power Administration	228,907	193,346	218,346	-10,561	+25,000
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Falcon and Amistad operating and maintenance fund.....	2,477	2,959	2,959	+482	---
Total, Power Marketing Administrations.....	287,953	232,139	257,139	-10,814	+25,000
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ENERGY AND WATER DEVELOPMENT APPROPRIATIONS BILL - 2009
(Amounts in thousands)

	FY 2008 Enacted	FY 2009 Request	This Bill	This Bill vs. Enacted	This Bill vs. Request
Federal Energy Regulatory Commission					
Salaries and expenses.....	260,425	273,400	273,400	+12,975	---
Revenues applied.....	-260,425	-273,400	-273,400	-12,975	---
	=====	=====	=====	=====	=====
Total, title III, Department of Energy.....	24,489,102	25,917,888	26,967,001	+2,477,899	+1,049,113
Appropriations.....	(24,661,102)	(25,743,888)	(26,793,001)	(+2,131,899)	(+1,049,113)
Rescissions.....	(-322,000)	---	---	(+322,000)	---
Deferrals.....	(108,000)	(149,000)	(149,000)	(+41,000)	---
Previous year advance appropriations.....	---	(25,000)	(25,000)	(+25,000)	---
Advance appropriations.....	(42,000)	---	---	(-42,000)	---
	=====	=====	=====	=====	=====
TITLE IV - INDEPENDENT AGENCIES					
Appalachian Regional Commission.....	73,032	65,000	75,000	+1,968	+10,000
Defense Nuclear Facilities Safety Board.....	21,909	25,499	25,000	+3,091	-499
Delta Regional Authority.....	11,685	6,000	13,000	+1,315	+7,000
Denali Commission.....	21,800	1,800	11,800	-10,000	+10,000
Nuclear Regulatory Commission:					
Salaries and expenses.....	917,334	1,007,956	1,034,656	+117,322	+26,700
Revenues.....	-771,220	-847,357	-860,857	-89,637	-13,500
Subtotal.....	146,114	160,599	173,799	+27,685	+13,200
Office of Inspector General.....	8,744	9,044	10,880	+2,116	+1,816
Revenues.....	-7,870	-8,140	-9,774	-1,904	-1,634
Subtotal.....	874	904	1,086	+212	+182
	=====	=====	=====	=====	=====
Total, Nuclear Regulatory Commission.....	146,988	161,503	174,885	+27,897	+13,382
Nuclear Waste Technical Review Board.....	3,621	3,811	3,811	+190	---
Tennessee Valley Authority: Office of Inspector					
General.....	---	17,000	---	---	-17,000
Offset.....	---	-17,000	---	---	+17,000
Office of the Federal Coordinator for Alaska natural gas transportation projects.....	2,261	4,400	4,400	+2,139	---
	=====	=====	=====	=====	=====
Total, title IV, Independent agencies.....	281,296	268,013	307,896	+26,600	+39,883
	=====	=====	=====	=====	=====
Grand total.....	31,508,398	31,720,700	33,795,000	+2,286,602	+2,074,300
Appropriations.....	(31,685,186)	(31,721,700)	(33,621,000)	(+1,935,814)	(+1,899,300)
Rescissions.....	(-326,788)	(-175,000)	---	(+326,788)	(+175,000)
Deferrals.....	(108,000)	(149,000)	(149,000)	(+41,000)	---
Previous year advance appropriations.....	---	(25,000)	(25,000)	(+25,000)	---
Advance appropriations.....	(42,000)	---	---	(-42,000)	---